OM nucleic - nucleic search, using sw model

Run on: September 4, 2002, 13:50:15 ; Search time 127.89 Seconds
(without alignments)
3793.308 Million cell updates/sec

Title: US-09-052-089A-8
Perfect score: 1975
Sequence: 1 GGCACGAGGTGCGGTGGAGC.....CAAAAAAAAAAAAAAAAAAA 1975

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 383533 seqs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*
1: /cgn2_6/ptodata/2/ina/5A_COMB.seq:*
2: /cgn2_6/ptodata/2/ina/5B_COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A_COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B_COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	1975	100.0	1975	4	US-09-052-089A-8	Sequence 8, Appli
	2	1075.4	54.5	2065	2	US-08-968-751-1	Sequence 1, Appli
	3	1062.8	53.8	2007	4	US-09-052-089A-7	Sequence 7, Appli
c	4	64	3.2	7218	1	US-08-232-463-14	Sequence 14, Appl
	5	46.2	2.3	15378	3	US-08-785-420-1	Sequence 1, Appli
c	6	44.4	2.2	16442	3	US-08-781-891-208	Sequence 208, App
	7	40.4	2.0	3489	2	US-08-728-323A-1	Sequence 1, Appli
c	8	40.4	2.0	32207	2	US-08-770-379-20	Sequence 20, Appl
c	9	40.4	2.0	32207	4	US-08-757-669A-20	Sequence 20, Appl
c	10	40.4	2.0	32207	4	US-09-230-371A-20	Sequence 20, Appl
c	11	40.2	2.0	51259	3	US-08-781-891-209	Sequence 209, App
	12	39.4	2.0	2040	2	US-08-533-669A-5	Sequence 5, Appli
	13	38.2	1.9	2133	4	US-09-187-124-1	Sequence 1, Appli
	14	37.2	1.9	2623	3	US-09-234-332-6	Sequence 6, Appli
	15	36.8	1.9	2074	4	US-08-630-915A-19	Sequence 19, Appl
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	17	35.8	1.8	2580	3	US-09-050-863-2	Sequence 2, Appli
	18	35.8	1.8	2580	4	US-09-359-081-2	Sequence 2, Appli
c	19	35.8	1.8	5452	2	US-09-130-114-1	Sequence 1, Appli
	20	35.8	1.8	9600	4	US-08-910-647-1	Sequence 1, Appli
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	22	35.8	1.8	10596	1	US-07-885-971-15	Sequence 15, Appl
	23	35.8	1.8	10596	1	US-08-087-783A-15	Sequence 15, Appl
	24	35.8	1.8	10596	1	US-08-194-088B-15	Sequence 15, Appl
	25	35.8	1.8	10596	2	US-08-194-087-15	Sequence 15, Appl
	26	35.8	1.8	10596	5	PCT-US93-04648-15	Sequence 15, Appl
	27	35.4	1.8	1768	3	US-09-150-133-2	Sequence 2, Appli
	28	35.4	1.8	1768	3	US-09-150-141-2	Sequence 2, Appli
	29	35.4	1.8	1768	4	US-09-374-493-2	Sequence 2, Appli
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c	32	35.4	1.8	2260	1	US-07-794-393-3	Sequence 3, Appli
c	33	35.4	1.8	2260	1	US-08-001-711-3	Sequence 3, Appli
	34	35.4	1.8	3946	1	US-08-077-848A-1	Sequence 1, Appli
	35	35.4	1.8	3946	3	US-09-211-640-1	Sequence 1, Appli
	36	35.4	1.8	3946	4	US-09-378-536-1	Sequence 1, Appli
	37	35.4	1.8	3946	5	PCT-US94-03547-1	Sequence 1, Appli
c	38	35.2	1.8	285	4	US-09-020-956-153	Sequence 153, App
c	39	35.2	1.8	285	4	US-09-030-607-153	Sequence 153, App
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	41	35	1.8	1033	2	US-08-807-050-2	Sequence 2, Appli
	42	35	1.8	2283	4	US-09-153-804-5	Sequence 5, Appli
	43	34.8	1.8	1228	3	US-09-248-335-43	Sequence 43, Appl
	44	34.8	1.8	2653	1	US-08-325-553-1	Sequence 1, Appli
	45	34.8	1.8	2653	2	US-08-394-152A-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-09-052-089A-8
; Sequence 8, Application US/09052089A
; Patent No. 6346605
; GENERAL INFORMATION:
; APPLICANT: Lee, Soo Y.
; Choi, Yongwon
; TITLE OF INVENTION: SIGNAL TRANSDUCER FOR THE TNF RECEPTOR SUPER
; FAMILY, AND USES THEREOF
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: David A. Jackson, Esq.
; STREET: 411 Hackensack Ave, Continental Plaza, 4th
; Floor
; CITY: Hackensack
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07601
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/052,089A
; FILING DATE: 31-Mar-1998
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Jackson Esq., David A.
; REGISTRATION NUMBER: 26,742
; REFERENCE/DOCKET NUMBER: 600-1-198 CIP 1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-487-5800
; TELEFAX: 201-343-1684
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1975 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: mouse
; SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-09-052-089A-8

Query Match 100.0%; Score 1975; DB 4; Length 1975;
Best Local Similarity 100.0%; Pred. No. 0;

Matches 1975; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy     121 CTCTCTCTGTGCACTATCTGCTCCGACTTCTTCGATCACTCCCGTGACGTGGCTGCCATC 180
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Db     121 CTCTCTCTGTGCACTATCTGCTCCGACTTCTTCGATCACTCCCGTGACGTGGCTGCCATC 180

Qy     181 CACTGTGGCCACACTTTTCATCTGCAATGCCTAATCCAGTGGTTTGAGACAGCACCAAGT 240
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Qy     721 CTCAAGAAAGAGTATGAGAATCTGAAGGAAGCTCGGAAGGCCACAGGGGAACTGGCTGAC 780
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Db     781 AGGTTGAAGAAGGATTTGGTGTCCTCTAGGAGCAAGTTGAAGACTCTCAACACTGAGCTG 840

Qy     841 GATCAGGCCAAGTTAGAACTGAGGTCAGCCCAGAAGGACTTACAAAGTGCTGACCAGGAG 900
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Db     841 GATCAGGCCAAGTTAGAACTGAGGTCAGCCCAGAAGGACTTACAAAGTGCTGACCAGGAG 900

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Qy    1441 AAGGCCAAGAGTAAACAGAAAGTGAGAATAAAGACTGTGAGTTCTGCCTCCCAGCCCAAG 1500
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Qy    1501 CTGGATACCTTCTTATGTCAGTGAACGGTGACCAGAGTGATGTTTGCAATTAGTGGGCCA 1560
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Qy    1561 AGACCTGGCTAACCGGAAGTGTTTTTGGAAGATGGCTCCTCTTGGACCAGTCCAAGAGAG 1620
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Db    1561 AGACCTGGCTAACCGGAAGTGTTTTTGGAAGATGGCTCCTCTTGGACCAGTCCAAGAGAG 1620

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Db    1621 ATGCCCAGAAAACACACTTCCTGTGTTCACTGCGCCCTGCACCACACTGGGAAGCCACAT 1680

Qy    1681 GACCAGTTTACTGTTCCGATCAGCAGGGCCTACTTCCAGTTGCAGGGTTTTGCTTATAGC 1740
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Qy    1741 TACAACCAGGTGTGGCTGGACTCCTTTTGTTTTTATAGAACAGGGTCACATTGACTCTAA 1800
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Db    1741 TACAACCAGGTGTGGCTGGACTCCTTTTGTTTTTATAGAACAGGGTCACATTGACTCTAA 1800

Qy    1801 GTGGATGGGAGTGCTGGAGGATCCTATGCAGGCTGGAGGACCCTGCGCTTGAACTCCTGC 1860
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RESULT 2
US-08-968-751-1
; Sequence 1, Application US/08968751
; Patent No. 5948643
; GENERAL INFORMATION:
; APPLICANT: Rubinfeld, Bonnee
; APPLICANT: Polakis, Paul G.
; APPLICANT: Ligenfelter, Carol
; APPLICANT: Vuong, Terilyn T.
; TITLE OF INVENTION: MODULATORS OF BRCA1 ACTIVITY
; NUMBER OF SEQUENCES: 6

```
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ONYX Pharmaceuticals, Inc.
;      STREET:  3031 Research Drive
;      CITY:  Richmond
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94806
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/968,751
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Giotta, Gregory
;      REGISTRATION NUMBER:  32,028
;      REFERENCE/DOCKET NUMBER:  ONYX1024 GG
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (510) 262-8710
;      TELEFAX:  (510) 222-9758
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2065 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  103..1512
US-08-968-751-1


  Query Match             54.5%;  Score 1075.4;  DB 2;  Length 2065;
  Best Local Similarity   75.1%;  Pred. No. 0;
  Matches 1460;  Conservative    0;  Mismatches  426;  Indels   59;  Gaps    7;

Qy      81 TGGTTCCCTGGGCTGCTTGAGTCGAGCCATCATGCCTATCCTCTCTCTGTGCACTATCTG 140
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Db      72 TGGCTGCCTGGGCCCCTTGAGTCCAGCCATCATGCCTATCCGTGCTCTGTGCACTATCTG 131

Qy     141 CTCCGACTTCTTCGATCACTCCCGTGACGTGGCTGCCATCCACTGTGGCCACACTTTTCA 200
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Db     132 CTCCGACTTCTTCGATCACTCCCGCGACGTGGCCGCCATCCACTGCGGCCACACCTTCCA 191

Qy     201 TCTGCAATGCCTAATCCAGTGGTTTGAGACAGCACCAAGTCGGACCTGCCCACAGTGTAG 260
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Db     192 CTTGCAGTGCCTAATTCAGTGGTTTGAGACAGCACCAAGTCGGACCTGCCCACAGTGCCG 251

Qy     261 AATCCAGGTTGGCAAAAAGACTATTATAAACAAACTTTTCTTTGACCTCGCCCAGGAAGA 320
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Db     252 AATCCAGGTTGGCAAAAGAACCATTATCAATAAGCTCTTCTTTGATCTTGCCCAGGAGGA 311

Qy     321 GGAGAATGTCTTGGATGCAGAATTCTTAAAGAATGAACTGGACAGCGTCAAAGCTCAGCT 380
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Qy     381 TTCCCAGAAAGACAGGGAGAAACGGGACAGCCAGGCCATTATCGACACTCTACGGGACAC 440
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Db     372 TTCCCAGAAAGACAAGGAGAAACGAGACAGCCAGGTCATCATCGACACTCTGCGGGATAC 431

Qy     441 CCTGGAAGAACGCAATGCTACCGTGGAGTCCCTACAGAACGCCTTAAACAAGGCAGAGAT 500
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Db     432 GCTGGAAGAACGCAATGCTACTGTGGTATCTCTGCAGCAGGCCTTGGGCAAGGCCGAGAT 491

Qy     501 GCTGTGTTCCACCCTGAAAAAACAGATGAAGTTCCTGGAGCAGCGGCAGGATGAGACCAA 560
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Db     492 GCTGTGCTCCACACTGAAAAAGCAGATGAAGTACTTAGAGCAGCAGCAGGATGAGACCAA 551

Qy     561 ACAAGCTCGGGAGGAGGCCCACCGACTCAAGTGCAAGATGAAAACCATGGAGCAAATTGA 620
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Db     552 ACAAGCACAAGAGGAGGCCCGCCGGCTCAGGAGCAAGATGAAGACCATGGAGCAGATTGA 611

Qy     621 GCTCCTACTCCAGAGCCAGCGTTCTGAGGTGGAGGAGATGATTCGAGACATGGGTGTGGG 680
           ||| ||||||||||||||||  ||||||||||||||||||| ||||||||||||||||||
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Db     672 ACAGTCAGCGGTGGAACAGCTGGCTGTGTACTGTGTGTCTCTCAAGAAAGAGTACGAGAA 731

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Db     732 TCTAAAAGAGGCACGGAAGGCCTCAGGGGAGGTGGCTGACAAGCTGAGGAAGGATTTGTT 791

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Qy     980 GCCTGGTTTTTGAGAGCCCAGCCCCTGTGGAGATGATGAACCCGAGGCTTCACCAGCCAC 1039
           |||||||||| |||||||||||||||||||   | |||| | || ||| | || ||||
Db     971 GCCTGGTTTTAGAGAGCCCAGCCCCTGTGGA---GGTGAATCTGAAGCTCCGCCGGCCAT 1027

Qy    1040 CCTTCGGTGATGAGATTGATCTCAATACCACCTTTGATGTAAATACCCCTCCAACCCAGA 1099
           ||||| ||||||| |||||||||||| | ||||||||||  |||| || ||| ||| |
Db    1028 CCTTCCGTGATGATATTGATCTCAATGCTACCTTTGATGTGGATACTCCCCCAGCCCGGC 1087

Qy    1100 CCTCTGGCTCCCAGCATTGCCTCCCCAAGAAGCTGTGCCTGGAGAGGGCACGCTCTCCCA 1159
           ||||  |||||||||| |   |  | | || || ||||| |||| | ||| ||| || |
Db    1088 CCTCCAGCTCCCAGCATGGTTACTACGAAAAACTTTGCCTAGAGAAGTCACACTCCCCAA 1147

Qy    1160 TGCAGAATGTCCTCAAGAAGGTGCACAAAGTCTCCAAGCCGGAGTCCCAGCTCTCACTGG 1219
           | ||| |||||| ||||||| |   ||||| | ||| |  ||||||||||||||||||||
Db    1148 TTCAGGATGTCCCCAAGAAGATATGCAAAGGCCCCAGGAAGGAGTCCCAGCTCTCACTGG 1207

Qy    1220 GTGGCCAGCGATGTGTAGGAGAGCTAGATGAGGAACTGGCTGGTGCCTTCCCTCTCTTCA 1279
           |||||||| | |||| |||||||| |||||||||||||| |||||||||||| | ||
Db    1208 GTGGCCAGAGCTGTGCAGGAGAGCCAGATGAGGAACTGGTTGGTGCCTTCCCTATTTTTG 1267

Qy    1280 TCCGGAATGCTGTCCTGGGTCAGAAACAGCCCAACAGGACCACAGCAGAATCCCGAAGCA 1339
           |||||||||  |||| || |||||||||||||| ||| |||   |||| |||     |||
Db    1268 TCCGGAATGCCATCCTAGGCCAGAAACAGCCCAAGAGGCCCAGGTCAGAGTCCTCTTGCA 1327

Qy    1340 GCACAGATGTGGTAAGAATAGGCTTTGATGGGCTTGGAGGACGAACAAAATTCATCCAGC 1399
           ||| |||||||||||| | |||||| |||||||| || || || ||||||||||||||||
Db    1328 GCAAAGATGTGGTAAGGACAGGCTTCGATGGGCTCGGTGGCCGGACAAAATTCATCCAGC 1387

Qy    1400 CTAGGGACACAACCATTATCCGACCAGTGCCTGTTAAGTCCAAGGCCAAGAGTAAACAGA 1459
           |||  |||||  ||| ||||| ||| |||||||||| |||||  |||  ||||
Db    1388 CTACTGACACAGTCATGATCCGCCCATTGCCTGTTAAGCCCAAGACCAAGGTTAAGCAGA 1447

Qy    1460 AAGTGAGAATAAAGACTGTGAGTTCTGCCTCCCAGCCCAAGCTGGATACCTTCTTATGTC 1519
             |||||  | |||||  |||  ||||  || |||| |||||||||| |||||| | ||
Db    1448 GGGTGAGGGTGAAGACAGTGCCTTCTCTCTTCCAGGCCAAGCTGGACACCTTCCTGTGGT 1507

Qy    1520 AG---------------TGAACGGTGACCAGAGTGATGTTTGCAATTAGTGGGCCAAGAC 1564
            |                ||| |  || |||||   |||  |||||  | || || ||||
Db    1508 CGTGAGAACAGTGAGTCTGACCAATGGCCAGACACATGCCTGCAACTTGTAGGTCAAGGA 1567

Qy    1565 CTGGCTAACCGGAAGTGTTTTTGGAAGATGGCTCCTCTTGGACC---------------- 1608
           ||| | |  | |  || || | |  |||    |  || | ||  |
Db    1568 CTGTCCAGGCAGGGGTTTTGTGGACAGAGCCCCACTTTCGGGACCAGCCTGAGGTGTAAG 1627
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Qy   1609 ----------------AGTCCAAGAGAGATGCCCAGAAAACACACTTCCTGTGTTCACTG 1652
                          ||    || | ||  |||||| |   | |||||||   ||||
Db   1628 GGCAGACAAACAGGTGAGGGTGAGTGTGACACCCAGAGACTGCTCTTCCTGCCCTCACCC 1687

Qy   1653 CGCCCTGCACC--ACACTGGGAAGCCACATGACCAGTTTACTGTTCCGATCAGCAGGGCC 1710
           ||||  | ||    |||||||    |||||||||   |||| |||  |||||||| ||
Db   1688 TGCCCCACTCCTACGACTGGGAGCTGACATGACCAGCCCACTGATCCTGTCAGCAGGTCC 1747

Qy   1711 TACTTCCAGTTGCAGGGTTTTGCTTATAGCTACAACCAGGTGTGGCTGGACTCCTTTTGT 1770
          | || |   |  |||| |  || |||||||| |  | ||| |||||   ||||| || ||
Db   1748 TGCTCCTGTTGCCAGGCTCCTGTTTATAGCCATGATCAGATGTGGTCAGACTCTTTCTGG 1807

Qy   1771 TTTTATAGAACAGGGTCACATTGACTCTAAGTGGATGGGAGTGCTGGAGGATCCTATGCA 1830
             |  ||| || |||||| |     ||   |  |||    |      |  | | |
Db   1808 GCCTGGAGACCACGGTCACTTGTTGACTGTCTCTGTGGACCAG-----AGTGCTTGAGGC 1862

Qy   1831 GGCTGGAGGACCCTGCGCTTGAACTCCTGCCTGCCTCCAGCTTATTGCTTGAAATTATGG 1890
            ||   | | |||  ||   | || || |||||||    |||  | || |  ||
Db   1863 ATCTCAGGCAGCCTCAGCCCAAGCTTCTACCTGCCTTTGACTTGCTTCTAGGCATAGCCT 1922

Qy   1891 GGTGAGGTGGTGATAGGGAAAGGTTGGGGAAGTTTTCTGTGTAAAATAAAAAGGGATCTT 1950
           ||          | | ||||| ||  |      |    ||| |  |    |  |    ||
Db   1923 GGGCCAAGCAGGGTGGGGAATGGAGGATAGCATGGGATGTATGGAGAGGATGGAAGATTT 1982

Qy   1951 TTCTTCAAAAAAAAAAAAAAAAAAA 1975
          |  |  |||| ||||  ||||||||
Db   1983 TCATGTAAAATAAAATTAAAAAAAA 2007


RESULT   3
US-09-052-089A-7
; Sequence 7, Application US/09052089A
; Patent No. 6346605
;   GENERAL INFORMATION:
;        APPLICANT: Lee, Soo Y.
;                   Choi, Yongwon
;        TITLE OF INVENTION: SIGNAL TRANSDUCER FOR THE TNF RECEPTOR SUPER
;                            FAMILY, AND USES THEREOF
;        NUMBER OF SEQUENCES: 16
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: David A. Jackson, Esq.
;             STREET: 411 Hackensack Ave, Continental Plaza, 4th
;                     Floor
;             CITY: Hackensack
;             STATE: New Jersey
;             COUNTRY: USA
;             ZIP: 07601
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/052,089A
;             FILING DATE: 31-Mar-1998
;             CLASSIFICATION: <Unknown>
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Jackson Esq., David A.
;             REGISTRATION NUMBER: 26,742
;             REFERENCE/DOCKET NUMBER: 600-1-198 CIP 1
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 201-487-5800
;             TELEFAX: 201-343-1684
;   INFORMATION FOR SEQ ID NO: 7:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 2007 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: double
;             TOPOLOGY: linear
;        MOLECULE TYPE: cDNA
;        HYPOTHETICAL: NO
;        ORIGINAL SOURCE:
;             ORGANISM: Homo sapiens

;        SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-09-052-089A-7


  Query Match             53.8%;  Score 1062.8;  DB 4;  Length 2007;
  Best Local Similarity   74.3%;  Pred. No. 0;
  Matches 1498;  Conservative    0;  Mismatches  457;  Indels   61;  Gaps   10;

Qy       9 GTGCGGTGGAGCGAAATTTGAAGGAACCGGAGCGGTGGCCGGTTCCACCAAACTGTGTCT 68
           |||||||||||||||||||||||| || |||||  | |||  | || || || | |   ||
Db       1 GTGCGGTGGAGCGAAATTTGAAGCAAGCGGAGGCGGGGC--GCTCTACGAAGCCGGACCT 58

Qy      69 GTCTCTG-GCAGCTGGTTCCCTGGGCTGCTTGAGTCGAGCCATCATGCCTATCCTCTCTC 127
           ||  | |      ||| | |||||||  |||||||| ||||||||||||||||||   |||
Db      59 GTAGCAGTTTCTTTGGCTGCCTGGGCCCCTTGAGTCCAGCCATCATGCCTATCCGTGCTC 118

Qy     128 TGTGCACTATCTGCTCCGACTTCTTCGATCACTCCCGTGACGTGGCTGCCATCCACTGTG 187
           |||||||||||||||||||||||||||||||||||||||| |||||||| |||||||||| |
Db     119 TGTGCACTATCTGCTCCGACTTCTTCGATCACTCCCGCGACGTGGCCGCCATCCACTGCG 178

Qy     188 GCCACACTTTTCATCTGCAATGCCTAATCCAGTGGTTTGAGACAGCACCAAGTCGGACCT 247
           ||||||| || ||  |||| |||||||| |||| ||||||||||||||||||||||||||
Db     179 GCCACACCTTCCACTTGCAGTGCCTAATTCAGTCCTTTGAGACAGCACCAAGTCGGACCT 238

Qy     248 GCCCACAGTGTAGAATCCAGGTTGGCAAAAAGACTATTATAAACAAACTTTTCTTTGACC 307
           |||||||||  |||||||||||||||||||  || ||||| || || || ||||||||  |
Db     239 GCCCACAGTGCCGAATCCAGGTTGGCAAAAGAACCATTATCAATAAGCTCTTCTTTGATC 298

Qy     308 TCGCCCAGGAAGAGGAGAATGTCTTGGATGCAGAATTCTTAAAGAATGAACTGGACAGCG 367
           | |||||||| ||||||||||||||||||  ||||||||||||||||||||||||||  |
Db     299 TTGCCCAGGAGGAGGAGAATGTCTTGGATCGAGAATTCTTAAAGAATGAACTGGACAATG 358

Qy     368 TCAAAGCTCAGCTTTCCCAGAAAGACAGGGAGAAACGGGACAGCCAGGCCATTATCGACA 427
           ||| ||| |||||||||||||||||||| |||||||| ||||||||| ||| |||||||
Db     359 TCAGAGCCCAGCTTTCCCAGAAAGACAAGGAGAAACGAGACAGCCAGGTCATCATCGACA 418

Qy     428 CTCTACGGGACACCCTGGAAGAACGCAATGCTACCGTGGAGTCCCTACAGAACGCCTTAA 487
           |||| ||||| || ||||||||||||||||||| ||||  || || ||| | |||||
Db     419 CTCTGCGGGATACGCTGGAAGAACGCAATGCTACTGTGGTATCTCTGCAGCAGGCCTTGG 478

Qy     488 ACAAGGCAGAGATGCTGTGTTCCACCCTGAAAAAACAGATGAAGTTCCTGGAGCAGCGGC 547
           |||||| |||||||||| |||| |||||||| |||||||||  | | ||||||| ||
Db     479 GCAAGGCCGAGATGCTGTGCTCCACACTGAAAAAGCAGATGAAGTACTTAGAGCAGCAGC 538

Qy     548 AGGATGAGACCAAACAAGCTCGGGAGGAGGCCCACCGACTCAAGTGCAAGATGAAAACCA 607
           |||||||||||||||||  |||||||   ||| |||| | |||||||||| ||||
Db     539 AGGATGAGACCAAACAAGCACAAGAGGAGGCGGGCCGGCTCAGGAGCAAGATGAAGACCA 598

Qy     608 TGGAGCAAATTGAGCTCCTACTCCAGAGCCAGCGTTCTGAGGTGGAGGAGATGATTCGAG 667
           ||||||| |||||||| ||||||||||||||||   |||||||||||||||||||| ||||
Db     599 TGGAGCAGATTGAGCTTCTACTCCAGAGCCAGCTCCCTGAGGTGGAGGAGATGATCCGAG 658

Qy     668 ACATGGGTGTGGGACAGTCAGCGGTGGAGCAGCTGGCTGTGTACTGCGTGTCCCTCAAGA 727
           |||||||||||||||||||||||||| |||||||||||||| ||||| |||||||
Db     659 ACATGGGTGTGGGACAGTCAGCGGTGGAACAGCTGGCTGTGTACTGTGTGTCTCTCAAGA 718

Qy     728 AAGAGTATGAGAATCTGAAGGAAGCTCGGAAGGCCACAGGGGAACTGGCTGACAGGTTGA 787
           ||||||| |||||||| || || || ||||||||| |||||||  ||||||||| | |||
Db     719 AAGAGTACGAGAATCTAAAAGAGGCACGGAAGGCCTCAGGGGAGGTGGCTGACAAGCTGA 778

Qy     788 AGAAGGATTTGGTGTCCTCTAGGAGCAAGTTGAAGACTCTCAACACTGAGCTGGATCAGG 847
           |||||||||| | |||| || |||||||||| |||  || || ||||  |||||||||
Db     779 GGAAGGATTTGTTTTCCTCCAGAAGCAAGTTGCAGACAGTCTACTCTGAATTGGATCAGG 838

Qy     848 CCAAGTTAGAACTGAGGTCAGCCCAGAAGGACTTACAAAGTGCTGACCAGGAGATCACGA 907
           |||||||||||||| |||||||||||||||||||||| |||||||| |||| |||| ||
Db     839 CCAAGTTAGAACTGAAGTCAGCCCAGAAGGACTTACAGAGTGCTGACAAGGAAATCATGA 898

Qy     908 GCCTAAGAAAGAAGTCTGATGATCCTCCAGGGAACCTTGAGCCTGCCTCC-GCGACCAAT 966
           |||| | ||||||| || | ||| || |||| |||||||| |||||| || | | ||| |
Db     899 GCCTGAAAAAGAAG-CTAACGATGCTGCAGGAAACCTTGAACCTGCCACCAGTGGCCAGT 957

Qy     967 GAGACGGTCAGCCGCCTGGTTTTTGAGAGCCCAGCCCCTGTGGAGATGATGAACCCGAGG 1026
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Db    958 GAGACTGTCGACCGCCTGGTTTTAGAGAGCCCAGCCCCTGTGGA---GGTGAATCTGAAG 1014

Qy   1027 CTTCACCAGCCACCCTTCGGTGATGAGATTGATCTCAATACCACCTTTGATGTAAATACC 1086
Db   1015 CTCCGCCGGCCATCCTTCCGTGATGATATTGATCTCAATGCTACCTTTGATGTGGATACT 1074

Qy   1087 CCTCCAACCCAGACCTCTGGCTCCCAGCATTGCCTCCCCAAGAAGCTGTGCCTGGAGAGG 1146
Db   1075 CCCCCAGCCCGGCCCTCCAGCTCCCAGCATGGTTACTACGAAAAACTTTGCCTAGAGAAG 1134

Qy   1147 GCACGCTCTCCCATGCAGAATGTCCTCAAGAAGGTGCACAAAGTCTCCAAGCCGGAGTCC 1206
Db   1135 TCACACTCCCCAATTCAGGATGTCCCCAAGAAGATATGCAAAGGCCCCAGGAAGGAGTCC 1194

Qy   1207 CAGCTCTCACTGGGTGGCCAGCGATGTGTAGGAGAGCTAGATGAGGAACTGGCTGGTGCC 1266
Db   1195 CAGCTCTCACTGGGTGGCCAGAGCTGTGCAGGAGAGCCAGATGAGGAACTGGTTGGTGCC 1254

Qy   1267 TTCCCTCTCTTCATCCGGAATGCTGTCCTGGGTCAGAAACAGCCCAACAGGACCACAGCA 1326
Db   1255 TTCCCTATTTTTGTCCGGAATGCCATCCTAGGCCAGAAACAGCCCAAAAGGCCCAGGTCA 1314

Qy   1327 GAATCCCGAAGCAGCACAGATGTGGTAAGAATAGGCTTTGATGGGCTTGGAGGACGAACA 1386
Db   1315 GAGTCCTCTTGCAGCAAAGATGTGGTAAGGACAGGCTTCGATGGGCTCGGTGGCCGGACA 1374

Qy   1387 AAATTCATCCAGCCTAGGGACACAACCATTATCCGACCAGTGCCTGTTAAGTCCAAGGCC 1446
Db   1375 AAATTCATCCAGCCTACTGACACAGTCATGATCCGCCCATTGCCTGTTAAGCCCAAGACC 1434

Qy   1447 AAGAGTAAACAGAAAGTGAGAATAAAGACTGTGAGTTCTGCCTCCCAGCCCAAGCTGGAT 1506
Db   1435 AAGGTTAAGCAGAGGGTGAGGGTGAAGACCGTGCCTTCTCTCTTCCAGGCCAAGCTGGAC 1494

Qy   1507 ACCTTCTTATGTCAG----------TGAACGGTGACCAGAGTGATGTTTGCAATT 1551
Db   1495 ACCTTCCTGTGGTCGTGAGAACAGTGAGTCTGACCAATGGCCAGACACATGCCTGCAACT 1554

Qy   1552 AGTGGGCCAAGACCTGGCTAACCGG----------AAGTG 1581
Db   1555 TGTAGGTCAAGGACTGTCCAGGCAGGGTTTGTGGACAGAGCCCTACTTTCGGGACCAGCC 1614

Qy   1582 TTTTTGGAAGATGGCTCCTCTTGGACCAGTCCAAGAGAGATGCCCAGAAAACACACTTCC 1641
Db   1615 TGAGGTGTAAGGGCAGACAAACAGGTGAGGGTGAGTGTGACACCCAGAGACTGCTCTTCC 1674

Qy   1642 TGTGTTCACTGCGCCCTGCACC--ACACTGGGAAGCCACATGACCAGTTTACTGTTCCGA 1699
Db   1675 TGCCCTCACCCTGCCCCACTCCTACGACTGGGAGCTGACATGACCAGCCCACTGATCCTG 1734

Qy   1700 TCAGCAGGGCCTACTTCCAGTTGCAGGGTTTTGCTTATAGCTACAACCAGGTGTGGCTGG 1759
Db   1735 TCAGCAGGTCCTGC-TCTGTTGCCAGGCTCTTGTTTATAGCCATGATCAGATGTGGTCAG 1793

Qy   1760 ACTCCTTTTGTTTTTATAGAACAGGGTCACATTGACTCTAAGTGGATGGGAGTGCTGGAG 1819
Db   1794 ACTCTTTCTGGGCCTGGAGACCACGGTCACTTGTTGACTGTCTCTGTGGACCAG-----A 1848

Qy   1820 GATCCTATGCAGGCTGGAGGACCCTGCGCTTGAACTCCTGCCTGCCTCCAGCTTATTGCT 1879
Db   1849 GTGCTTGAGGCATCTCAGGCAGCCTCAGCCCAAGCTTCTACCTGCCTTTGACTTGCTTCT 1908

Qy   1880 TGAAATTATGGGGTGAGGTGGTGATAGGGAAAGGTTGGGGAAGTTTTCTGTGTAAAATAA 1939
Db   1909 AGCATAGCCTGGGCCAAGCAGGGTGGGGAATGGAGGATAGACATGGGATGTATGGAGAGG 1968

Qy   1940 AAAGGGATCTTTTCTTCAAAAAAAAAAAAAAAAAAA 1975
Db   1969 ATGGAAGATTTTCCCGAAAAAAAAAAAAAAAAAAAA 2004

RESULT 4
```

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US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
;  GENERAL INFORMATION:
;    APPLICANT:  DORNER, F.
;    APPLICANT:  SCHEIFLINGER, F.
;    APPLICANT:  FALKNER, F. G.
;    TITLE OF INVENTION:  RECOMBINANT FOWLPOX VIRUS
;    NUMBER OF SEQUENCES:  52
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  1800 Diagonal Road, Suite 500
;      CITY:  Alexandria
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22313-0299
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/232,463
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/935,313
;      FILING DATE:
;      APPLICATION NUMBER:  EP 91 114 300.6
;      FILING DATE:  26-AUG-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  30472/114 IMMU
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703)836-9300
;      TELEFAX:  (703)683-4109
;      TELEX:  899149
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  7218 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    IMMEDIATE SOURCE:
;      CLONE:  pTZgpt-Fls
US-08-232-463-14


  Query Match             3.2%;  Score 64;  DB 1;  Length 7218;
  Best Local Similarity   4.8%;  Pred. No. 8e-09;
  Matches   19;  Conservative  228;  Mismatches  153;  Indels    0;  Gaps    0;

Qy    515 TGAAAAAACAGATGAAGTTCCTGGAGCAGCGGCAGGATGAGACCAAACAAGCTCGGGAGG 574
Db   1458 TAAAGAGATAGAAGAATTTGGTACRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1399

Qy    575 AGGCCCACCGACTCAAGTGCAAGATGAAAACCATGGAGCAAATTGAGCTCCTACTCCAGA 634
Db   1398 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1339

Qy    635 GCCAGCGTTCTGAGGTGGAGGAGATGATTCGAGACATGGGTGTGGGACAGTCAGCGGTGG 694
Db   1338 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1279

Qy    695 AGCAGCTGGCTGTGTACTGCGTGTCCCTCAAGAAAGAGTATGAGAATCTGAAGGAAGCTC 754
Db   1278 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1219

Qy    755 GGAAGGCCACAGGGGAACTGGCTGACAGGTTGAAGAAGGATTTGGTGTCCTCTAGGAGCA 814
Db   1218 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1159
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Qy     815 AGTTGAAGACTCTCAACACTGAGCTGGATCAGGCCAAGTTAGAACTGAGGTCAGCCCAGA 874
           ::  :::::     :: :  :::  :::  :::  :::  ::::  ::::  ::   :::
Db    1158 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1099

Qy     875 AGGACTTACAAAGTGCTGACCAGGAGATCACGAGCCTAAG 914
           ::::   : :::: :  ::  :::::: : :| |  |||
Db    1098 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRATCGCAAG 1059


RESULT   5
US-08-785-420-1
; Sequence 1, Application US/08785420
; Patent No. 6001976
;  GENERAL INFORMATION:
;    APPLICANT:  MacLennan, David H
;    APPLICANT:  O'Brien, Peter J.
;    TITLE OF INVENTION:  DIAGNOSIS FOR PORCINE MALIGNANT
;    TITLE OF INVENTION:  HYPERTHERMIA
;    NUMBER OF SEQUENCES:  3
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Bell, Seltzer, Park & Gibson
;      STREET:  P.O. Drawer 34009
;      CITY:  Charlotte,
;      STATE:  No. 6001976th Carolina 28234
;      COUNTRY:  U.S.A.
;      ZIP:  28234
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/785,420
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/249,388
;      FILING DATE:
;      APPLICATION NUMBER:  US 08/030,159
;      FILING DATE:  15-MAR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Layton,Jr., Samuel G.
;      REGISTRATION NUMBER:  22807
;      REFERENCE/DOCKET NUMBER:  3477-73
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  704-377-1561
;      TELEFAX:  704-334-2014
;      TELEX:  57-5102
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15378 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    IMMEDIATE SOURCE:
;      CLONE:  Porcine RYR1 Gene
;    POSITION IN GENOME:
;      UNITS:  bp
US-08-785-420-1


  Query Match             2.3%;  Score 46.2;  DB 3;  Length 15378;
  Best Local Similarity   51.2%;  Pred. No. 0.003;
  Matches  108;  Conservative    0;  Mismatches  103;  Indels    0;  Gaps    0;

Qy     590 AGTGCAAGATGAAAACCATGGAGCAAATTGAGCTCCTACTCCAGAGCCAGCGTTCTGAGG 649
           ||  |  || | | | | || ||   ||||||| |  | |    |   ||      ||||
Db    5702 AGGACGTGAAGCAGATCTTGAAGATGATTGAGCCCGAAGTATTCACTGAGGAAGAAGAGG 5761

Qy     650 TGGAGGAGATGATTCGAGACATGGGTGTGGGACAGTCAGCGGTGGAGCAGCTGGCTGTGT 709
           |||||||  |     |||   ||  |  | | |    | || | || ||  || || |
Db    5762 AGGAGGAGGAGGAAGAAGAGGAGGAAGAAGAAGATGAGGAGGAGAAGGAGGAGGATGAGG 5821

Qy     710 ACTGCGTGTCCCTCAAGAAAGAGTATGAGAATCTGAAGGAAGCTCGGAAGGCCACAGGGG 769
           |    | | | |   |||| ||| ||||| |     ||||||    ||  ||   |||||
Db    5822 AGGAGGAGGCACGGGAGAAGGAGGATGAGGAAAAAGAGGAAGAGGAGACAGCAGAAGGGG 5881

Qy     770 AACTGGCTGACAGGTTGAAGAAGGATTTGGT 800
           ||   |  ||    ||| || | |   || |
Db    5882 AAAAAGAAGAATACTTGGAGGAAGGGCTGCT 5912


RESULT   6
US-08-781-891-208/c
; Sequence 208, Application US/08781891
; Patent No. 6090620
;  GENERAL INFORMATION:
;    APPLICANT:  Fu, Ying-Hui
;    APPLICANT:  Yu, Chang-En
;    APPLICANT:  Oshima, Junko
;    APPLICANT:  Mulligan, John T.
;    APPLICANT:  Schellenberg, Gerald D.
;    TITLE OF INVENTION:  GENE AND GENE PRODUCTS RELATED TO
;    TITLE OF INVENTION:  WERNER'S SYNDROME
;    NUMBER OF SEQUENCES:  209
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SEED and BERRY LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  USA
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/781,891
;      FILING DATE:  27-DEC-1996
;      CLASSIFICATION:  800
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  No. 6090620tenburg Ph.D., Carol
;      REGISTRATION NUMBER:  39,317
;      REFERENCE/DOCKET NUMBER:  240052.419
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  208:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16442 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-781-891-208


  Query Match             2.2%;  Score 44.4;  DB 3;  Length 16442;
  Best Local Similarity   46.2%;  Pred. No. 0.011;
  Matches  147;  Conservative    0;  Mismatches  171;  Indels    0;  Gaps    0;

Qy     535 CTGGAGCAGCGGCAGGATGAGACCAAACAAGCTCGGGAGGAGGCCCACCGACTCAAGTGC 594
           | |||| ||  ||||||  ||    |  | |    |||| |||  ||         ||
Db   16438 CAGGAGGAGGAGCAGGAGCAGGAGGAGGAGGAGGAGGAGCAGGAGCAGGAGGAGGAGGAG 16379

Qy     595 AAGATGAAAACCATGGAGCAAATTGAGCTCCTACTCCAGAGCCAGCGTTCTGAGGTGGAG 654
           ||  | |       | || |    ||||     |   ||   |||      |||| ||||
Db   16378 GAGCAGGAGCAGGAGCAGGAGGAGGAGCAGGAGCAGGAGGAGCAGGAGGAGGAGGAGGAG 16319

Qy     655 GAGATGATTCGAGACATGGGTGTGGGACAGTCAGCGGTGGAGCAGCTGGCTGTGTACTGC 714
           ||  |   |  ||   ||  | ||  |||   | || | || ||| ||  | | |
Db   16318 CAGGAGGAGCAGGAGGAGGAGGAGGAGCAGGAGGAGGAGCAGGAGCAGGAGGAGGAGGAG 16259
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Qy    715 GTGTCCCTCAAGAAAGAGTATGAGAATCTGAAGGAAGCTCGGAAGGCCACAGGGGAACTG 774
Db  16258 CAGGAGGAGCAGGAGGAGGAGGAGCAGGAGCAGGAGGAGGAGGAGGAGGAGGAGGAGTAG 16199

Qy    775 GCTGACAGGTTGAAGAAGGATTTGGTGTCCTCTAGGAGCAAGTTGAAGACTCTCAACACT 834
Db  16198 AAGGAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAG 16139

Qy    835 GAGCTGGATCAGGCCAAG 852
Db  16138 AAGAAGAAGAAGAAGAAG 16121


RESULT   7
US-08-728-323A-1
; Sequence 1, Application US/08728323A
; Patent No. 5948676
;  GENERAL INFORMATION:
;    APPLICANT:  Chang, Yuan
;    APPLICANT:  Bohenzky, Roy A.
;    APPLICANT:  Russo, James J.
;    APPLICANT:  Edelman, Isidore S.
;    APPLICANT:  Moore, Patrick S.
;    TITLE OF INVENTION:  Immediate Early Protein From Kaposi's
;    TITLE OF INVENTION:  Sarcoma-Associated Herpesvirus, DNA
;    TITLE OF INVENTION:  Encoding Same And Uses Thereof
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooper & Dunham LLP
;      STREET:  1185 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/728,323A
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P.
;      REGISTRATION NUMBER:  28,678
;      REFERENCE/DOCKET NUMBER:  0575/52268/JPW/MSC/SKS
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-278-0400
;      TELEFAX:  212-391-0525
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  3489 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  1..3489
US-08-728-323A-1


  Query Match             2.0%;  Score 40.4;  DB 2;  Length 3489;
  Best Local Similarity   44.0%;  Pred. No. 0.068;
  Matches  170;  Conservative    0;  Mismatches  216;  Indels    0;  Gaps    0;

Qy    514 CTGAAAAAACAGATGAAGTTCCTGGAGCAGCGGCAGGATGAGACCAAACAAGCTCGGGAG 573
Db   2191 CAGCAGGATGAGCAGCAGCAGCAGGATGAGCAGCAGCAGCAGGATGAGCAGCAGCAGCAG 2250

Qy    574 GAGGCCCACCGACTCAAGTGCAAGATGAAAACCATGGAGCAAATTGAGCTCCTACTCCAG 633
Db   2251 GATGAACAGGAGCAGCAGGAGGAGCAGGAGCAGCAGGAGGAGCAGGAGCAGGAGTTAGAG 2310

Qy    634 AGCCAGCGTTCTGAGGTGGAGGAGATGATTCGAGACATGGGTGTGGGACAGTCAGCGGTG 693
Db   2311 GAGCAGGAGCAGGAGTTAGAGGATCAGGAGCAGGAGTTAGAGGAGCAGGAGCAGGAGTTA 2370

Qy    694 GAGCAGCTGGCTGTGTACTGCGTGTCCCTCAAGAAAGAGTATGAGAATCTGAAGGAAGCT 753
Db   2371 GAGGAGCAGGAGCAGGAGTTAGAGGAGCAGGAGCAGGAGTTAGAGGAGCAGGAGCAGGAG 2430

Qy    754 CGGAAGGCCACAGGGGAACTGGCTGACAGGTTGAAGAAGGATTTGGTGTCCTCTAGGAGC 813
Db   2431 TTAGAGGAGCAGGAGCAGGAGTTAGAGGAGCAGGAGCAGGAGTTAGAGGAGCAGGAGCAG 2490

Qy    814 AAGTTGAAGACTCTCAACACTGAGCTGGATCAGGCCAAGTTAGAACTGAGGTCAGCCCAG 873
Db   2491 GAGTTAGAGGAGCAGGAGCAGGAGTTAGAGGAGCAGGAGGTGGAAGAGCAAGAGCAGGAG 2550

Qy    874 AAGGACTTACAAAGTGCTGACCAGGA 899
Db   2551 GTGGAAGAGCAAGAGCAGGAGCAGGA 2576


RESULT   8
US-08-770-379-20/c
; Sequence 20, Application US/08770379
; Patent No. 5849564
;  GENERAL INFORMATION:
;    APPLICANT:  Chang, Yuan
;    APPLICANT:  Bohenzky, Roy A.
;    APPLICANT:  Russo, James J.
;    APPLICANT:  Edelman, Isidore S.
;    APPLICANT:  Moore, Patrick S.
;    TITLE OF INVENTION:  POLYPEPTIDES FROM KAPOSI'S SARCOMA-ASSOCIATED
;    TITLE OF INVENTION:  HERPESVIRUS, DNA ENCODING SAME AND USES THEREOF
;    NUMBER OF SEQUENCES:  20
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooper & Dunham LLP
;      STREET:  1185 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/770,379
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P.
;      REGISTRATION NUMBER:  28,678
;      REFERENCE/DOCKET NUMBER:  52342
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 278-0400
;      TELEFAX:  (212) 391-0525
;  INFORMATION FOR SEQ ID NO:  20:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32207 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-770-379-20


  Query Match             2.0%;  Score 40.4;  DB 2;  Length 32207;
  Best Local Similarity   44.0%;  Pred. No. 0.27;
  Matches  170;  Conservative    0;  Mismatches  216;  Indels    0;  Gaps    0;
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Qy    514 CTGAAAAAACAGATGAAGTTCCTGGAGCAGCGGCAGGATGAGACCAAACAAGCTCGGGAG 573
          | | |  |  ||  | ||   | |||  ||| |||| |  ||    | ||    | | ||
Db  19806 CAGCAGGATGAGCAGCAGCAGCAGGATGAGCAGCAGCAGCAGGATGAGCAGCAGCAGCAG 19747

Qy    574 GAGGCCCACCGACTCAAGTGCAAGATGAAAACCATGGAGCAAATTGAGCTCCTACTCCAG 633
          || |  ||    |   ||    ||  | |       |||| |    ||||       |  ||
Db  19746 GATGAACAGGAGCAGCAGGAGGAGCAGGAGCAGCAGGAGGAGCAGGAGCAGGAGTTAGAG 19687

Qy    634 AGCCAGCGTTCTGAGGTGGAGGAGATGATTCGAGACATGGGTGTGGGACAGTCAGCGGTG 693
            |||      ||| | |||||   |   |  ||  | |  | |    ||   | | |
Db  19686 GAGCAGGAGCAGGAGTTAGAGGATCAGGAGCAGGAGTTAGAGGAGCAGGAGCAGGAGTTA 19627

Qy    694 GAGCAGCTGGCTGTGTACTGCGTGTCCCTCAAGAAAGAGTATGAGAATCTGAAGGAAGCT 753
          ||| ||| ||    | | |  | |   |   || | ||||  ||| | | | || | |
Db  19626 GAGGAGCAGGAGCAGGAGTTAGAGGAGCAGGAGCAGGAGTTAGAGGAGCAGGAGCAGGAG 19567

Qy    754 CGGAAGGCCACAGGGGAACTGGCTGACAGGTTGAAGAAGGATTTGGTGTCCTCTAGGAGC 813
            |||     | | |   |  ||   |  | || ||||  || | |        |
Db  19566 TTAGAGGAGCAGGAGCAGGAGTTAGAGGAGCAGGAGCAGGAGTTAGAGGAGCAGGAGCAG 19507

Qy    814 AAGTTGAAGACTCTCAACACTGAGCTGGATCAGGCCAAGTTAGAACTGAGGTCAGCCCAG 873
           ||||  ||   |   |   ||| | ||  ||    || | |||  |           ||
Db  19506 GAGTTAGAGGAGCAGGAGCAGGAGTTAGAGGAGCAGGAGGTGGAAGAGCAAGAGCAGGAG 19447

Qy    874 AAGGACTTACAAAGTGCTGACCAGGA 899
            |||    |||      || |||||
Db  19446 GTGGAAGAGCAAGAGCAGGAGCAGGA 19421
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RESULT 9
US-08-757-669A-20/c
; Sequence 20, Application US/08757669A
; Patent No. 6183751
; GENERAL INFORMATION:
; APPLICANT: Chang, Yuan
; APPLICANT: Bohenzky, Roy A.
; APPLICANT: Russo, James J.
; APPLICANT: Edelman, Isidore S.
; APPLICANT: Moore, Patrick S.
; TITLE OF INVENTION: UNIQUE ASSOCIATED KAPOSI'S SARCOMA VIRUS
; TITLE OF INVENTION: SEQUENCES AND USES THEREOF
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/757,669A
; FILING DATE:
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 45185-F
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 278-0400
; TELEFAX: (212) 391-0525
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 32207 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-757-669A-20

Query Match 2.0%; Score 40.4; DB 4; Length 32207;
Best Local Similarity 44.0%; Pred. No. 0.27;
Matches 170; Conservative 0; Mismatches 216; Indels 0; Gaps 0;

```
Qy    514 CTGAAAAAACAGATGAAGTTCCTGGAGCAGCGGCAGGATGAGACCAAACAAGCTCGGGAG 573
          | | |  |  ||  | ||   | |||  ||| |||| |  ||    | ||    | | ||
Db  19806 CAGCAGGATGAGCAGCAGCAGCAGGATGAGCAGCAGCAGCAGGATGAGCAGCAGCAGCAG 19747

Qy    574 GAGGCCCACCGACTCAAGTGCAAGATGAAAACCATGGAGCAAATTGAGCTCCTACTCCAG 633
          || |  ||    |   ||    ||  | |       |||| |    ||||       |  ||
Db  19746 GATGAACAGGAGCAGCAGGAGGAGCAGGAGCAGCAGGAGGAGCAGGAGCAGGAGTTAGAG 19687

Qy    634 AGCCAGCGTTCTGAGGTGGAGGAGATGATTCGAGACATGGGTGTGGGACAGTCAGCGGTG 693
            |||      ||| | |||||   |   |  ||  | |  | |    ||   | | |
Db  19686 GAGCAGGAGCAGGAGTTAGAGGATCAGGAGCAGGAGTTAGAGGAGCAGGAGCAGGAGTTA 19627

Qy    694 GAGCAGCTGGCTGTGTACTGCGTGTCCCTCAAGAAAGAGTATGAGAATCTGAAGGAAGCT 753
          ||| ||| ||    | | |  | |   |   || | ||||  ||| | | | || | |
Db  19626 GAGGAGCAGGAGCAGGAGTTAGAGGAGCAGGAGCAGGAGTTAGAGGAGCAGGAGCAGGAG 19567

Qy    754 CGGAAGGCCACAGGGGAACTGGCTGACAGGTTGAAGAAGGATTTGGTGTCCTCTAGGAGC 813
            |||     | | |   |  ||   |  | || ||||  || | |        |
Db  19566 TTAGAGGAGCAGGAGCAGGAGTTAGAGGAGCAGGAGCAGGAGTTAGAGGAGCAGGAGCAG 19507

Qy    814 AAGTTGAAGACTCTCAACACTGAGCTGGATCAGGCCAAGTTAGAACTGAGGTCAGCCCAG 873
           ||||  ||   |   |   ||| | ||  ||    || | |||  |           ||
Db  19506 GAGTTAGAGGAGCAGGAGCAGGAGTTAGAGGAGCAGGAGGTGGAAGAGCAAGAGCAGGAG 19447

Qy    874 AAGGACTTACAAAGTGCTGACCAGGA 899
            |||    |||      || |||||
Db  19446 GTGGAAGAGCAAGAGCAGGAGCAGGA 19421
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RESULT 10
US-09-230-371A-20/c
; Sequence 20, Application US/09230371A
; Patent No. 6348586
; GENERAL INFORMATION:
; APPLICANT: Chang, Yuan
; APPLICANT: Bohenzky, Roy A
; APPLICANT: Russo, James J
; APPLICANT: Edelman, Isidore S
; APPLICANT: Moore, Patrick S
; TITLE OF INVENTION: UNIQUE ASSOCIATED KAPOSI'S SARCOMA VIRUS SEQUENCES AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: 45185-G-PCT-US
; CURRENT APPLICATION NUMBER: US/09/230,371A
; CURRENT FILING DATE: 1999-11-17
; PRIOR APPLICATION NUMBER: PCT/US97/13346
; PRIOR FILING DATE: 1997-07-22
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 20
; LENGTH: 32207
; TYPE: DNA
; ORGANISM: Kaposi's sarcoma-associated herpesvirus
US-09-230-371A-20

Query Match 2.0%; Score 40.4; DB 4; Length 32207;
Best Local Similarity 44.0%; Pred. No. 0.27;
Matches 170; Conservative 0; Mismatches 216; Indels 0; Gaps 0;

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Qy    514 CTGAAAAAACAGATGAAGTTCCTGGAGCAGCGGCAGGATGAGACCAAACAAGCTCGGGAG 573
          | | |  |  ||  | ||   | |||  ||| |||| |  ||    | ||    | | ||
Db  19806 CAGCAGGATGAGCAGCAGCAGCAGGATGAGCAGCAGCAGCAGGATGAGCAGCAGCAGCAG 19747

Qy    574 GAGGCCCACCGACTCAAGTGCAAGATGAAAACCATGGAGCAAATTGAGCTCCTACTCCAG 633
          || |  ||    |   ||    ||  | |       |||| |    ||||       |  ||
Db  19746 GATGAACAGGAGCAGCAGGAGGAGCAGGAGCAGCAGGAGGAGCAGGAGCAGGAGTTAGAG 19687
```

```
Qy    634 AGCCAGCGTTCTGAGGTGGAGGAGATGATTCGAGACATGGGTGTGGGACAGTCAGCGGTG 693
Db  19686 GAGCAGGAGCAGGAGTTAGAGGATCAGGAGCAGGAGTTAGAGGAGCAGGAGCAGGAGTTA 19627

Qy    694 GAGCAGCTGGCTGTGTACTGCGTGTCCCTCAAGAAAGAGTATGAGAATCTGAAGGAAGCT 753
Db  19626 GAGGAGCAGGAGCAGGAGTTAGAGGAGCAGGAGCAGGAGTTAGAGGAGCAGGAGCAGGAG 19567

Qy    754 CGGAAGGCCACAGGGGAACTGGCTGACAGGTTGAAGAAGGATTTGGTGTCCTCTAGGAGC 813
Db  19566 TTAGAGGAGCAGGAGCAGGAGTTAGAGGAGCAGGAGCAGGAGTTAGAGGAGCAGGAGCAG 19507

Qy    814 AAGTTGAAGACTCTCAACACTGAGCTGGATCAGGCCAAGTTAGAACTGAGGTCAGCCCAG 873
Db  19506 GAGTTAGAGGAGCAGGAGCAGGAGTTAGAGGAGCAGGAGGTGGAAGAGCAAGAGCAGGAG 19447

Qy    874 AAGGACTTACAAAGTGCTGACCAGGA 899
Db  19446 GTGGAAGAGCAAGAGCAGGAGCAGGA 19421


RESULT  11
US-08-781-891-209/c
; Sequence 209, Application US/08781891
; Patent No. 6090620
;  GENERAL INFORMATION:
;    APPLICANT:  Fu, Ying-Hui
;    APPLICANT:  Yu, Chang-En
;    APPLICANT:  Oshima, Junko
;    APPLICANT:  Mulligan, John T.
;    APPLICANT:  Schellenberg, Gerald D.
;    TITLE OF INVENTION:  GENE AND GENE PRODUCTS RELATED TO
;    TITLE OF INVENTION:  WERNER'S SYNDROME
;    NUMBER OF SEQUENCES:  209
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SEED and BERRY LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  USA
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/781,891
;      FILING DATE:  27-DEC-1996
;      CLASSIFICATION:  800
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  No. 6090620tenburg Ph.D., Carol
;      REGISTRATION NUMBER:  39,317
;      REFERENCE/DOCKET NUMBER:  240052.419
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  209:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  51259 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-781-891-209


  Query Match             2.0%;  Score 40.2;  DB 3;  Length 51259;
  Best Local Similarity   48.1%;  Pred. No. 0.42;
  Matches  114;  Conservative    0;  Mismatches  123;  Indels    0;  Gaps    0;

Qy    513 CCTGAAAAAACAGATGAAGTTCCTGGAGCAGCGGCAGGATGAGACCAAACAAGCTCGGGA 572
Db    269 CATGAAGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGCAGGA 210

Qy    573 GGAGGCCCACCGACTCAAGTGCAAGATGAAAACCATGGAGCAAATTGAGCTCCTACTCCA 632
Db    209 GGAGGAGGAGGAAGAGGAGGAGGAGGAGAAGAAGGAGGAGCAGGAGGAGGAGGAGGAGCA 150

Qy    633 GAGCCAGCGTTCTGAGGTGGAGGAGATGATTCGAGACATGGGTGTGGGACAGTCAGCGGT 692
Db    149 GGAGGAGGAGGAGAAGGAGGAGAAGGAGAAGGAGGAGAAGGAGGGGCAGGAGGAGGAGGA 90

Qy    693 GGAGCAGCTGGCTGTGTACTGCGTGTCCCTCAAGAAAGAGTATGAGAATCTGAAGGA 749
Db     89 GGAGGAGGAGGAGGAGCAGGAGCAGGAACAGGAGCAGGAGGAGGAGGAGGAGCAGGA 33


RESULT  12
US-08-533-669A-5
; Sequence 5, Application US/08533669A
; Patent No. 5834592
;  GENERAL INFORMATION:
;    APPLICANT:  Corixa Corporation
;    TITLE OF INVENTION:  LEISHMANIA ANTIGENS FOR USE IN THE
;    TITLE OF INVENTION:  THERAPY AND DIAGNOSIS OF LEISHMANIASIS
;    NUMBER OF SEQUENCES:  18
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SEED and BERRY LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  USA
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/533,669A
;      FILING DATE:  22-SEP-1995
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Maki, David J.
;      REGISTRATION NUMBER:  31,392
;      REFERENCE/DOCKET NUMBER:  210121.420
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2040 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  62..2029
US-08-533-669A-5


  Query Match             2.0%;  Score 39.4;  DB 2;  Length 2040;
  Best Local Similarity   50.3%;  Pred. No. 0.098;
  Matches   97;  Conservative    0;  Mismatches   96;  Indels    0;  Gaps    0;

Qy    577 GCCCACCGACTCAAGTGCAAGATGAAAACCATGGAGCAAATTGAGCTCCTACTCCAGAGC 636
Db    515 GGCTACGACATCGAGCTGATGGTGGAGAAGACGGCGGAGAAGGAGGTGACGGACGAGGAC 574

Qy    637 CAGCGTTCTGAGGTGGAGGAGATGATTCGAGACATGGGTGTGGGACAGTCAGCGGTGGAG 696
Db    575 GAGGAGGAGGACGAGTCGAAGAAGAAGTCCTGCGGGGACGAGGGCGAGCCGAAGGTGGAG 634

Qy    697 CAGCTGGCTGTGTACTGCGTGTCCCTCAAGAAAGAGTATGAGAATCTGAAGGAAGCTCGG 756
Db    635 GAGGTGACGGAGGGCGGCGAGGACAAGAAGAAGAAGACGAAGAAGGTGAAGGAGGTGAAG 694
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Qy    757 AAGGCCACAGGGG 769
          ||| |    | ||
Db    695 AAGACGTACGAGG 707
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RESULT 13
US-09-187-124-1
; Sequence 1, Application US/09187124A
; Patent No. 6255563
; GENERAL INFORMATION:
;  APPLICANT: Emmermann, Michael
;  APPLICANT: Kossmann, Jens
;  TITLE OF INVENTION: NUCLEIC ACID MOLECULES CODING FOR DEBRANCHING ENZYMES
;  TITLE OF INVENTION: FROM POTATO
;  FILE REFERENCE: GFB8
;  CURRENT APPLICATION NUMBER: US/09/187,124A
;  CURRENT FILING DATE: 1998-11-05
;  EARLIER APPLICATION NUMBER: PCT/EP97/02292
;  EARLIER FILING DATE: 1997-05-06
;  EARLIER APPLICATION NUMBER: DE 196 18 125.9
;  EARLIER FILING DATE: 1996-05-06
;  NUMBER OF SEQ ID NOS: 2
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 2133
;   TYPE: DNA
;   ORGANISM: Solanum tuberosum
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (2)..(1819)
;   OTHER INFORMATION: Clone: Iso5
US-09-187-124-1
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  Query Match             1.9%;  Score 38.2;  DB 4;  Length 2133;
  Best Local Similarity   73.1%;  Pred. No. 0.23;
  Matches   49;  Conservative    0;  Mismatches   18;  Indels    0;  Gaps    0;

Qy   1909 AAAGGTTGGGGAAGTTTTCTGTGTAAAATAAAAAGGGATCTTTTCTTCAAAAAAAAAAAA 1968
          |||   | | ||| || ||||||  |||||||| |     ||   ||||||||||||||
Db   2011 aaaaactagtgaacttgtctgtgcgaaataaaatgtatagttgatttcaaaaaaaaaaaa 2070

Qy   1969 AAAAAAA 1975
          |||||||
Db   2071 aaaaaaa 2077
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RESULT 14
US-09-234-332-6
; Sequence 6, Application US/09234332A
; Patent No. 6087168
; GENERAL INFORMATION:
;  APPLICANT: Cedars-Sinai Medical Center
;  APPLICANT: Michel F. Levesque, M.D.
;  APPLICANT: Toomas Neuman, Ph.D.
;  TITLE OF INVENTION: CONVERSION OF NON-NEURONAL CELLS INTO
;  TITLE OF INVENTION: NEURONS; TRANSDIFFERENTIATION OF EPIDERMAL CELLS
;  FILE REFERENCE: P07 41494
;  CURRENT APPLICATION NUMBER: US/09/234,332A
;  CURRENT FILING DATE: 1999-01-20
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 6
;   LENGTH: 2623
;   TYPE: DNA
;   ORGANISM: Human
;   FEATURE:
;   NAME/KEY: gene
;   LOCATION: (0)...(0)
;   OTHER INFORMATION: Myelin transcription factor 1 (MyT1) gene Genbank
;   OTHER INFORMATION: Accession M96980
US-09-234-332-6
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  Query Match             1.9%;  Score 37.2;  DB 3;  Length 2623;
  Best Local Similarity   47.8%;  Pred. No. 0.53;
  Matches  108;  Conservative    0;  Mismatches  118;  Indels    0;  Gaps    0;

Qy    554 AGACCAAACAAGCTCGGGAGGAGGCCCACCGACTCAAGTGCAAGATGAAAACCATGGAGC 613
          ||   ||||   |  |||| |||| || | | |  |||| |||||  |    | ||  |
Db   1748 agggaaaactgtcaggggatgaggtcctcagtccaaagttcaagactagcgacgtgttgg 1807

Qy    614 AAATTGAGCTCCTACTCCAGAGCCAGCGTTCTGAGGTGGAGGAGATGATTCGAGACATGG 673
          | | |||        || ||   | |      ||| |    ||  |||       ||
Db   1808 agaatgatgaggagatcaagcagctgaaccaggagatccgagacctgaacgagtccaact 1867

Qy    674 GTGTGGGACAGTCAGCGGTGGAGCAGCTGGCTGTGTACTGCGTGTCCCTCAAGAAAGAGT 733
            | |    || | ||  ||| |||||||       |   |   ||| |  |||| |
Db   1868 cggagatggaggctgccatggtgcagctgcagtcccagatctcctccatggagaagaacc 1927

Qy    734 ATGAGAATCTGAAGGAAGCTCGGAAGGCCACAGGGGAACTGGCTGA 779
            ||||  |  |||| |     |||  ||  | ||| | |  |||
Db   1928 tgaagaacatcgaggaggagaacaagctcattgaggagcagaatga 1973
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RESULT 15
US-08-630-915A-19
; Sequence 19, Application US/08630915A
; Patent No. 6309820
;  GENERAL INFORMATION:
;    APPLICANT:  SPARKS, Andrew B.
;    APPLICANT:  HOFFMAN, No. 6309820h
;    APPLICANT:  KAY, Brian K.
;    APPLICANT:  FOWLKES, Dana M.
;    APPLICANT:  McCONNELL, Stephen J.
;    TITLE OF INVENTION:  POLYPEPTIDES HAVING A FUNCTIONAL
;    TITLE OF INVENTION:  DOMAIN OF INTEREST AND METHODS OF IDENTIFYING AND
;    TITLE OF INVENTION:  USING SAME
;    NUMBER OF SEQUENCES:  227
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds LLP
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/630,915A
;      FILING DATE:  03-APR-1996
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Misrock, S. Leslie
;      REGISTRATION NUMBER:  18,872
;      REFERENCE/DOCKET NUMBER:  1101-174
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-8864/9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2074 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-630-915A-19
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  Query Match             1.9%;  Score 36.8;  DB 4;  Length 2074;
  Best Local Similarity   44.5%;  Pred. No. 0.6;
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  Matches  146;  Conservative    0;  Mismatches  182;  Indels    0;  Gaps    0;

Qy    462 CGTGGAGTCCCTACAGAACGCCTTAAACAAGGCAGAGATGCTGTGTTCCACCCTGAAAAA 521
          | | |||  |   ||||||  | |  ||     | |||  ||||||  ||       ||
Db    549 CATCGAGGTCAAGCAGAACTTCATTGACCCACTACAGAACCTGTGTGACAAGGATCTGAA 608

Qy    522 ACAGATGAAGTTCCTGGAGCAGCGGCAGGATGAGACCAAACAAGCTCGGGAGGAGGCCCA 581
           ||||  ||  ||    | ||     ||| |    |   | |     ||  |     |
Db    609 GGAGATCCAGCACCACCTGAAGAAATTGGAGGGCCGCCGCCTTGACTTTGACTACAAGAA 668

Qy    582 CCGACTCAAGTGCAAGATGAAAACCATGGAGCAAATTGAGCTCCTACTCCAGAGCCAGCG 641
            | | || |||||||         |||||      ||  ||||    ||  | ||
Db    669 GAAGCGCCAGGGCAAGATCCCCGATGAGGAGCTGCGCCAGGCCCTAGAGAAGTTCGAGGA 728

Qy    642 TTCTGAGGTGGAGGAGATGATTCGAGACATGGGTGTGGGACAGTCAGCGGTGGAGCAGCT 701
           ||  ||| || || |  ||  |          |     || | |   | ||||||
Db    729 GTCCAAGGAGGTGGCGGAGACCAGTATGCACAACCTCCTGGAGACTGATATAGAGCAGGT 788

Qy    702 GGCTGTGTACTGCGTGTCCCTCAAGAAAGAGTATGAGAATCTGAAGGAAGCTCGGAAGGC 761
          |     |  ||  |      |  |     ||   ||  | |    | | ||   | ||
Db    789 GAGCCAGCTCTCGGCCCTGGTGGATGCCCAGCTGGACTACCACCGGCAGGCAGTGCAGAT 848

Qy    762 CACAGGGGAACTGGCTGACAGGTTGAAG 789
          |   | |||  |||||||||| | |||||
Db    849 CCTGGAGGAGCTGGCTGACAAGCTGAAG 876


RESULT  16
US-08-938-105-2
; Sequence 2, Application US/08938105
; Patent No. 6353151
;  GENERAL INFORMATION:
;    APPLICANT:  Leinwand, Leslie A.
;    APPLICANT:  Vikstrom, Karen L.
;    TITLE OF INVENTION:  TRANSGENIC MODEL FOR HEART FAILURE
;    NUMBER OF SEQUENCES:  3
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sheridan Ross P.C.
;      STREET:  1700 Lincoln St., Suite 3500
;      CITY:  Denver
;      STATE:  CO
;      COUNTRY:  U.S.A.
;      ZIP:  80203
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/938,105
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Crook, Wannell M.
;      REGISTRATION NUMBER:  31,071
;      REFERENCE/DOCKET NUMBER:  3595-4
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (303) 863-9700
;      TELEFAX:  (303) 863-0223
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  5661 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  1..5661
US-08-938-105-2


  Query Match             1.8%;  Score 36;  DB 4;  Length 5661;

  Best Local Similarity   44.4%;  Pred. No. 2;
  Matches  236;  Conservative    0;  Mismatches  290;  Indels    6;  Gaps    2;

Qy    274 AAAAAGACTATTATAAACAAACTTTTCTTTGACCTCGCCCAGGAAGAGGAGAATGTCTTG 333
          || ||||  ||         | || | |     ||   |  |||  ||||||  ||   |
Db   5026 AAGAAGAAGATGGATGCAGACCTCTCCCAGCTCCAGACAGAGGTGGAGGAGGCGGTGCAG 5085

Qy    334 GATGCAGAATTCTTAAAGAATGAACTGGACAGCGTCAAAGCTCAGCTTTCCCAGAAAGAC 393
          ||         | | || |  |     | |  | ||   |  |     ||  ||  | |
Db   5086 GAGTGTAGGAACGCAGAGGAGAAGGCCAAGAAGGCCATCACAGATGCCGCCATGATGGCC 5145

Qy    394 AGGGAGAAACGGGACAGCCAGGCCATTATCGACACTCTACGGGACACCCTGGAAGAACGC 453
            ||||     | |    |||| ||  | || |   ||   |  ||    | |  |
Db   5146 GAGGAGCTGAAGAAGGAGCAGGACACCAGCGCCCACCTGGAGCGCATGAAGAAGAACATG 5205

Qy    454 AATGCTACCGTGGAGTCCCTACAGAACGCCTTAAACAAGGCAGAGATGCTGTGTTCCA-- 511
          |    ||| |  ||  ||| ||| ||     |  || ||||||||  | |      ||
Db   5206 GAGCAGACCATCAAGGACCTGCAGCACCGGCTGGACGAGGCAGAGCAGATCGCCCTCAAG 5265

Qy    512 -CCCTGAAAAAACAGATGAAGTTCCTGGAGCAGCGGCAGGATGAGACCAAACAAGCTCGG 570
           || || ||| || ||   ||||||   |||       |||    |  | | |  | |
Db   5266 GGTGGCAAGAAGCAGCTGCAGAAACTGGAGGCCCGGGTCCGGGAGCTGGAGAATGAGCTG 5325

Qy    571 GAGGAGGCCCACCGACTCAA---GTGCAAGATGAAAACCATGGAGCAAATTGAGCTCCTA 627
          ||||  |  ||    | |||   |     | ||||  ||||  | | |  ||||  |
Db   5326 GAGGCTGAGCAGAAGCGCAATGCGGAGTCGGTGAAGGGCATGAGGAAGAGCGAGCGGCGC 5385

Qy    628 CTCCAGAGCCAGCGTTCTGAGGTGGAGGAGATGATTCGAGACATGGGTGTGGGACAGTCA 687
           || ||   |     |   ||  |||||    |       || |||    |   |||
Db   5386 ATCAAGGAGCTCACCTACCAGACAGAGGAAGACAAGAAGAACTTGGTGCGGCTGCAGGAC 5445

Qy    688 GCGGTGGAGCAGCTGGCTGTGTACTGCGTGTCCCTCAAGAAAGAGTATGAGAATCTGAAG 747
          ||||||  |||||    || |       | ||  ||||    ||  |||  |   | ||
Db   5446 CTGGTGGACAAGCTGCAGTTGAAGGTGAAGGCCTACAAGCGCCAGGCTGAAGAGGCGGAG 5505

Qy    748 GAAGCTCGGAAGGCCACAGGGGAACTGGCTGACAGGTTGAAGAAGGATTTGG 799
          |||      ||  |||    |     |     || | || || | ||  |||
Db   5506 GAACAGGCCAACACCAACCTGTCCAAGTTCCGCAAGGTGCAGCACGAGCTGG 5557


RESULT  17
US-09-050-863-2
; Sequence 2, Application US/09050863
; Patent No. 6114111
;  GENERAL INFORMATION:
;    APPLICANT:  Lao, Ying
;    APPLICANT:  Hiang, Betty
;    APPLICANT:  Payan, Don
;    TITLE OF INVENTION:  Mammalian Protein Interaction Cloning
;    TITLE OF INVENTION:  System
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Flehr, Hohbach, Test, Albritton & Herbert
;      STREET:  4 Embarcadero Center, Suite 3400
;      CITY:  San Francisco
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94111-4187
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/050,863
;      FILING DATE:  30-MAR-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Silva, Robin M.
;      REGISTRATION NUMBER:  38,304
;      REFERENCE/DOCKET NUMBER:  A-65638/DJB/RMS
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 781-1989
```

```
;       TELEFAX:  (415) 949-8711
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;       LENGTH:  2580 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  unknown
;       TOPOLOGY:  unknown
;    MOLECULE TYPE:  DNA
US-09-050-863-2


  Query Match             1.8%;  Score 35.8;  DB 3;  Length 2580;
  Best Local Similarity   43.9%;  Pred. No. 1.4;
  Matches  154;  Conservative    0;  Mismatches  197;  Indels    0;  Gaps    0;

Qy     528 GAAGTTCCTGGAGCAGCGGCAGGATGAGACCAAACAAGCTCGGGAGGAGGCCCACCGACT 587
           | ||   | ||||  || | || | |||      || |  | ||||||||  ||
Db     873 GGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGG 932

Qy     588 CAAGTGCAAGATGAAAACCATGGAGCAAATTGAGCTCCTACTCCAGAGCCAGCGTTCTGA 647
             ||    ||  | |      ||||      |||   |     |||    || |    ||
Db     933 GCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGA 992

Qy     648 GGTGGAGGAGATGATTCGAGACATGGGTGTGGGACAGTCAGCGGTGGAGCAGCTGGCTGT 707
           | ||||| |  |    |  |   |||   ||  |||   | |  |||||||  ||  |
Db     993 GCAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGAGGG 1052

Qy     708 GTACTGCGTGTCCCTCAAGAAAGAGTATGAGAATCTGAAGGAAGCTCGGAAGGCCACAGG 767
           | |    | |        | | ||| | |||   | | || | |   || |||     |
Db    1053 GCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGA 1112

Qy     768 GGAACTGGCTGACAGGTTGAAGAAGGATTTGGTGTCCTCTAGGAGCAAGTTGAAGACTCT 827
           ||  | ||   |   |  | || |||    || |       ||    ||  | ||   |
Db    1113 GGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGCA 1172

Qy     828 CAACACTGAGCTGGATCAGGCCAAGTTAGAACTGAGGTCAGCCCAGAAGGA 878
             |    ||  ||  ||||   ||   ||   |  |   |  ||| || |
Db    1173 GGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGCA 1223


RESULT  18
US-09-359-081-2
; Sequence 2, Application US/09359081
; Patent No. 6316223
;  GENERAL INFORMATION:
;       APPLICANT: Lao, Ying
;                  Hiang, Betty
;                  Payan, Don
;       TITLE OF INVENTION: Mammalian Protein Interaction Cloning
;                           System
;       NUMBER OF SEQUENCES: 5
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert
;            STREET: 4 Embarcadero Center, Suite 3400
;            CITY: San Francisco
;            STATE: CA
;            COUNTRY: USA
;            ZIP: 94111-4187
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/359,081
;            FILING DATE: 22-Jul-1999
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 09/050,863
;            FILING DATE: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Silva, Robin M.
;            REGISTRATION NUMBER: 38,304
;            REFERENCE/DOCKET NUMBER: A-65638/DJB/RMS
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (415) 781-1989
;            TELEFAX: (415) 949-8711
;  INFORMATION FOR SEQ ID NO: 2:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 2580 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: unknown
;            TOPOLOGY: unknown
;       MOLECULE TYPE: DNA
;       SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-359-081-2


  Query Match             1.8%;  Score 35.8;  DB 4;  Length 2580;
  Best Local Similarity   43.9%;  Pred. No. 1.4;
  Matches  154;  Conservative    0;  Mismatches  197;  Indels    0;  Gaps    0;

Qy     528 GAAGTTCCTGGAGCAGCGGCAGGATGAGACCAAACAAGCTCGGGAGGAGGCCCACCGACT 587
           | ||   | ||||  || | || | |||      || |  | ||||||||  ||
Db     873 GGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGG 932

Qy     588 CAAGTGCAAGATGAAAACCATGGAGCAAATTGAGCTCCTACTCCAGAGCCAGCGTTCTGA 647
             ||    ||  | |      ||||      |||   |     |||    || |    ||
Db     933 GCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGA 992

Qy     648 GGTGGAGGAGATGATTCGAGACATGGGTGTGGGACAGTCAGCGGTGGAGCAGCTGGCTGT 707
           | ||||| |  |    |  |   |||   ||  |||   | |  |||||||  ||  |
Db     993 GCAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGAGGG 1052

Qy     708 GTACTGCGTGTCCCTCAAGAAAGAGTATGAGAATCTGAAGGAAGCTCGGAAGGCCACAGG 767
           | |    | |        | | ||| | |||   | | || | |   || |||     |
Db    1053 GCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGA 1112

Qy     768 GGAACTGGCTGACAGGTTGAAGAAGGATTTGGTGTCCTCTAGGAGCAAGTTGAAGACTCT 827
           ||  | ||   |   |  | || |||    || |       ||    ||  | ||   |
Db    1113 GGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGCA 1172

Qy     828 CAACACTGAGCTGGATCAGGCCAAGTTAGAACTGAGGTCAGCCCAGAAGGA 878
             |    ||  ||  ||||   ||   ||   |  |   |  ||| || |
Db    1173 GGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGCA 1223


RESULT  19
US-09-130-114-1/c
; Sequence 1, Application US/09130114
; Patent No. 5976807
; GENERAL INFORMATION:
;  APPLICANT: Horlick, Robert A.
;  APPLICANT: Damaj, Bassam B.
;  APPLICANT: Robbins, Alan K.
;  TITLE OF INVENTION: Eukaryotic Cells Stably Expressing Genes
;  TITLE OF INVENTION: From Multiple Transfected Episomes
;  FILE REFERENCE: 0867/1D903US1
;  CURRENT APPLICATION NUMBER: US/09/130,114
;  CURRENT FILING DATE: 1998-08-06
;  NUMBER OF SEQ ID NOS: 36
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1
;   LENGTH: 5452
;   TYPE: DNA
;   ORGANISM: VEBNA
US-09-130-114-1


  Query Match             1.8%;  Score 35.8;  DB 2;  Length 5452;
  Best Local Similarity   43.9%;  Pred. No. 2.2;
  Matches  154;  Conservative    0;  Mismatches  197;  Indels    0;  Gaps    0;

Qy     528 GAAGTTCCTGGAGCAGCGGCAGGATGAGACCAAACAAGCTCGGGAGGAGGCCCACCGACT 587
           | ||   | ||||  || | || | |||      || |  | ||||||||  ||
Db    1932 GGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGG 1873
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Qy     588 CAAGTGCAAGATGAAAACCATGGAGCAAATTGAGCTCCTACTCCAGAGCCAGCGTTCTGA 647
           ||    ||  | |      ||||      |||   |     |||    || |    ||
Db    1872 GCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGA 1813

Qy     648 GGTGGAGGAGATGATTCGAGACATGGGTGTGGGACAGTCAGCGGTGGAGCAGCTGGCTGT 707
           |  |||||  |   |    |  |   |||   ||  |||   | |  |||||||  ||  |
Db    1812 GCAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGAGGG 1753

Qy     708 GTACTGCGTGTCCCTCAAGAAAGAGTATGAGAATCTGAAGGAAGCTCGGAAGGCCACAGG 767
           | |    | |         | | |||  | |||   | | ||  | |   || |||     |
Db    1752 GCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGA 1693

Qy     768 GGAACTGGCTGACAGGTTGAAGAAGGATTTGGTGTCCTCTAGGAGCAAGTTGAAGACTCT 827
           ||  | ||   |   |  | || |||    || |       ||    ||  | ||   |
Db    1692 GGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGCA 1633

Qy     828 CAACACTGAGCTGGATCAGGCCAAGTTAGAACTGAGGTCAGCCCAGAAGGA 878
           |     ||  ||  ||||   ||   ||   |  |   |  ||| || |
Db    1632 GGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGCA 1582


RESULT  20
US-08-910-647-1
; Sequence 1, Application US/08910647
; Patent No. 6251433
;  GENERAL INFORMATION:
;    APPLICANT:  Zuckermann et al.
;    TITLE OF INVENTION:  Compositions and Methods for
;    TITLE OF INVENTION:  Polynucleotide Delivery
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Chiron Corporation
;      STREET:  4560 Horton Street
;      CITY:  Emeryville
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  94608-2916
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/910,647
;      FILING DATE:
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fujita, Sharon M.
;      REGISTRATION NUMBER:  38,459
;      REFERENCE/DOCKET NUMBER:  1218.002
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (510) 923-2706
;      TELEFAX:  (510) 655-3542
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  9600 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-910-647-1


  Query Match             1.8%;  Score 35.8;  DB 4;  Length 9600;
  Best Local Similarity   43.9%;  Pred. No. 3.1;
  Matches  154;  Conservative    0;  Mismatches  197;  Indels    0;  Gaps    0;

Qy     528 GAAGTTCCTGGAGCAGCGGCAGGATGAGACCAAACAAGCTCGGGAGGAGGCCCACCGACT 587
           | ||   | ||||  || | || | |||      || |  | |||||||||  ||
Db     919 GGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGG 978

Qy     588 CAAGTGCAAGATGAAAACCATGGAGCAAATTGAGCTCCTACTCCAGAGCCAGCGTTCTGA 647
           ||    ||  | |      ||||      |||   |     |||    || |    ||
Db     979 GCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGA 1038

Qy     648 GGTGGAGGAGATGATTCGAGACATGGGTGTGGGACAGTCAGCGGTGGAGCAGCTGGCTGT 707
           |  |||||  |   |    |  |   |||   ||  |||   | |  |||||||  ||  |
Db    1039 GCAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGAGGG 1098

Qy     708 GTACTGCGTGTCCCTCAAGAAAGAGTATGAGAATCTGAAGGAAGCTCGGAAGGCCACAGG 767
           | |    | |         | | |||  | |||   | | ||  | |   || |||     |
Db    1099 GCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGA 1158

Qy     768 GGAACTGGCTGACAGGTTGAAGAAGGATTTGGTGTCCTCTAGGAGCAAGTTGAAGACTCT 827
           ||  | ||   |   |  | || |||    || |       ||    ||  | ||   |
Db    1159 GGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGCA 1218

Qy     828 CAACACTGAGCTGGATCAGGCCAAGTTAGAACTGAGGTCAGCCCAGAAGGA 878
           |     ||  ||  ||||   ||   ||   |  |   |  ||| || |
Db    1219 GGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGCA 1269


RESULT  21
US-07-884-811-15
; Sequence 15, Application US/07884811
; Patent No. 5316921
;  GENERAL INFORMATION:
;    APPLICANT:  Godowski, Paul J.  Lokker, Nathalie A.  Mark, Melanie R.
;    TITLE OF INVENTION:  SINGLE-CHAIN HEPATOCYTE GROWTH FACTOR VARIANTS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genentech, Inc.
;      STREET:  460 Point San Bruno Blvd
;      CITY:  South San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94080
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch, 360 Kb floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  patin (Genentech)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/884,811
;      FILING DATE:  19920518
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Dreger, Ginger R.
;      REGISTRATION NUMBER:  33,055
;      REFERENCE/DOCKET NUMBER:  755.1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415/225-3216
;      TELEFAX:  415/952-9881
;      TELEX:  910/371-7168
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10596 bases
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-07-884-811-15


  Query Match             1.8%;  Score 35.8;  DB 1;  Length 10596;
  Best Local Similarity   43.9%;  Pred. No. 3.3;
  Matches  154;  Conservative    0;  Mismatches  197;  Indels    0;  Gaps    0;

Qy     528 GAAGTTCCTGGAGCAGCGGCAGGATGAGACCAAACAAGCTCGGGAGGAGGCCCACCGACT 587
           | ||   | ||||  || | || | |||      || |  | |||||||||  ||
Db    2453 GGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGG 2512

Qy     588 CAAGTGCAAGATGAAAACCATGGAGCAAATTGAGCTCCTACTCCAGAGCCAGCGTTCTGA 647
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Db   2513 GCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGA 2572

Qy    648 GGTGGAGGAGATGATTCGAGACATGGGTGTGGGACAGTCAGCGGTGGAGCAGCTGGCTGT 707

Db   2573 GCAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGAGGG 2632

Qy    708 GTACTGCGTGTCCCTCAAGAAAGAGTATGAGAATCTGAAGGAAGCTCGGAAGGCCACAGG 767

Db   2633 GCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGA 2692

Qy    768 GGAACTGGCTGACAGGTTGAAGAAGGATTTGGTGTCCTCTAGGAGCAAGTTGAAGACTCT 827

Db   2693 GGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGCA 2752

Qy    828 CAACACTGAGCTGGATCAGGCCAAGTTAGAACTGAGGTCAGCCCAGAAGGA 878

Db   2753 GGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGCA 2803
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RESULT 22
US-07-885-971-15
; Sequence 15, Application US/07885971
; Patent No. 5328837
; GENERAL INFORMATION:
; APPLICANT: Godowski, Paul J. Lokker, Nathalie A. Mark, Melanie R.
; TITLE OF INVENTION: HEPATOCYTE GROWTH FACTOR PROTEASE DOMAIN VARIANTS
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/885,971
; FILING DATE: 19920518
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Dreger, Ginger R.
; REGISTRATION NUMBER: 33,055
; REFERENCE/DOCKET NUMBER: 779
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-3216
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10596 bases
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
US-07-885-971-15

Query Match 1.8%; Score 35.8; DB 1; Length 10596;
Best Local Similarity 43.9%; Pred. No. 3.3;
Matches 154; Conservative 0; Mismatches 197; Indels 0; Gaps 0;

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Qy    528 GAAGTTCCTGGAGCAGCGGCAGGATGAGACCAAACAAGCTCGGGAGGAGGCCCACCGACT 587

Db   2453 GGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGG 2512

Qy    588 CAAGTGCAAGATGAAAACCATGGAGCAAATTGAGCTCCTACTCCAGAGCCAGCGTTCTGA 647
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Db   2513 GCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGA 2572

Qy    648 GGTGGAGGAGATGATTCGAGACATGGGTGTGGGACAGTCAGCGGTGGAGCAGCTGGCTGT 707

Db   2573 GCAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGAGGG 2632

Qy    708 GTACTGCGTGTCCCTCAAGAAAGAGTATGAGAATCTGAAGGAAGCTCGGAAGGCCACAGG 767

Db   2633 GCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGA 2692

Qy    768 GGAACTGGCTGACAGGTTGAAGAAGGATTTGGTGTCCTCTAGGAGCAAGTTGAAGACTCT 827

Db   2693 GGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGCA 2752

Qy    828 CAACACTGAGCTGGATCAGGCCAAGTTAGAACTGAGGTCAGCCCAGAAGGA 878

Db   2753 GGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGCA 2803
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RESULT 23
US-08-087-783A-15
; Sequence 15, Application US/08087783A
; Patent No. 5547856
; GENERAL INFORMATION:
; APPLICANT: Godowski, Paul J., Lokker, Nathalie A., Mark, Melanie R.
; TITLE OF INVENTION: HEPATOCYTE GROWTH FACTOR VARIANTS
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/087,783A
; FILING DATE: 13-Jul-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/884811
; FILING DATE: 18-MAY-92
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/885971
; FILING DATE: 18-MAY-92
; ATTORNEY/AGENT INFORMATION:
; NAME: Marschang, Diane L.
; REGISTRATION NUMBER: 35,600
; REFERENCE/DOCKET NUMBER: P0755779P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-5416
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10596 base pairs
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
US-08-087-783A-15

Query Match 1.8%; Score 35.8; DB 1; Length 10596;
Best Local Similarity 43.9%; Pred. No. 3.3;
Matches 154; Conservative 0; Mismatches 197; Indels 0; Gaps 0;

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Qy    528 GAAGTTCCTGGAGCAGCGGCAGGATGAGACCAAACAAGCTCGGGAGGAGGCCCACCGACT 587
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```
Db   2453 GGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGG 2512

Qy    588 CAAGTGCAAGATGAAAACCATGGAGCAAATTGAGCTCCTACTCCAGAGCCAGCGTTCTGA 647

Db   2513 GCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGA 2572

Qy    648 GGTGGAGGAGATGATTCGAGACATGGGTGTGGGACAGTCAGCGGTGGAGCAGCTGGCTGT 707

Db   2573 GCAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGAGGG 2632

Qy    708 GTACTGCGTGTCCCTCAAGAAAGAGTATGAGAATCTGAAGGAAGCTCGGAAGGCCACAGG 767

Db   2633 GCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGA 2692

Qy    768 GGAACTGGCTGACAGGTTGAAGAAGGATTTGGTGTCCTCTAGGAGCAAGTTGAAGACTCT 827

Db   2693 GGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGCA 2752

Qy    828 CAACACTGAGCTGGATCAGGCCAAGTTAGAACTGAGGTCAGCCCAGAAGGA 878

Db   2753 GGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGCA 2803
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RESULT 24
US-08-194-088B-15
; Sequence 15, Application US/08194088B
; Patent No. 5580963
;  GENERAL INFORMATION:
;    APPLICANT:  Godowski, Paul J.  Lokker, Nathalie A.  Mark, Melanie R.
;    TITLE OF INVENTION:  SINGLE-CHAIN HEPATOCYTE GROWTH FACTOR VARIANTS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genentech, Inc.
;      STREET:  460 Point San Bruno Blvd
;      CITY:  South San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94080
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch, 360 Kb floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  patin (Genentech)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/194,088B
;      FILING DATE:  09-FEB-1994
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/884811
;      FILING DATE:  18-MAY-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gallegos, R. Thomas
;      REGISTRATION NUMBER:  32,692
;      REFERENCE/DOCKET NUMBER:  755D1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415/225-2614
;      TELEFAX:  415/952-9881
;      TELEX:  910/371-7168
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10596 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-194-088B-15


  Query Match             1.8%;  Score 35.8;  DB 1;  Length 10596;
  Best Local Similarity   43.9%;  Pred. No. 3.3;
  Matches  154;  Conservative    0;  Mismatches  197;  Indels    0;  Gaps    0;

Qy    528 GAAGTTCCTGGAGCAGCGGCAGGATGAGACCAAACAAGCTCGGGAGGAGGCCCACCGACT 587
```

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Db   2453 GGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGG 2512

Qy    588 CAAGTGCAAGATGAAAACCATGGAGCAAATTGAGCTCCTACTCCAGAGCCAGCGTTCTGA 647

Db   2513 GCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGA 2572

Qy    648 GGTGGAGGAGATGATTCGAGACATGGGTGTGGGACAGTCAGCGGTGGAGCAGCTGGCTGT 707

Db   2573 GCAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGAGGG 2632

Qy    708 GTACTGCGTGTCCCTCAAGAAAGAGTATGAGAATCTGAAGGAAGCTCGGAAGGCCACAGG 767

Db   2633 GCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGA 2692

Qy    768 GGAACTGGCTGACAGGTTGAAGAAGGATTTGGTGTCCTCTAGGAGCAAGTTGAAGACTCT 827

Db   2693 GGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGCA 2752

Qy    828 CAACACTGAGCTGGATCAGGCCAAGTTAGAACTGAGGTCAGCCCAGAAGGA 878

Db   2753 GGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGCA 2803
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```
RESULT 25
US-08-194-087-15
; Sequence 15, Application US/08194087
; Patent No. 5879910
;  GENERAL INFORMATION:
;    APPLICANT:  Godowski, Paul J.  Lokker, Nathalie A.  Mark, Melanie R.
;    TITLE OF INVENTION:  HEPATOCYTE GROWTH FACTOR PROTEASE DOMAIN VARIANTS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genentech, Inc.
;      STREET:  460 Point San Bruno Blvd
;      CITY:  South San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94080
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch, 360 Kb floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  patin (Genentech)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/194,087
;      FILING DATE:  18-MAY-1992
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Dreger, Ginger R.
;      REGISTRATION NUMBER:  33,055
;      REFERENCE/DOCKET NUMBER:  779
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415/225-3216
;      TELEFAX:  415/952-9881
;      TELEX:  910/371-7168
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10596 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-194-087-15


  Query Match             1.8%;  Score 35.8;  DB 2;  Length 10596;
  Best Local Similarity   43.9%;  Pred. No. 3.3;
  Matches  154;  Conservative    0;  Mismatches  197;  Indels    0;  Gaps    0;

Qy    528 GAAGTTCCTGGAGCAGCGGCAGGATGAGACCAAACAAGCTCGGGAGGAGGCCCACCGACT 587
```

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Db   2453 GGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGG 2512

Qy    588 CAAGTGCAAGATGAAAACCATGGAGCAAATTGAGCTCCTACTCCAGAGCCAGCGTTCTGA 647

Db   2513 GCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGA 2572

Qy    648 GGTGGAGGAGATGATTCGAGACATGGGTGTGGGACAGTCAGCGGTGGAGCAGCTGGCTGT 707

Db   2573 GCAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGAGGG 2632

Qy    708 GTACTGCGTGTCCCTCAAGAAAGAGTATGAGAATCTGAAGGAAGCTCGGAAGGCCACAGG 767

Db   2633 GCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGA 2692

Qy    768 GGAACTGGCTGACAGGTTGAAGAAGGATTTGGTGTCCTCTAGGAGCAAGTTGAAGACTCT 827

Db   2693 GGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGCA 2752

Qy    828 CAACACTGAGCTGGATCAGGCCAAGTTAGAACTGAGGTCAGCCCAGAAGGA 878

Db   2753 GGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGCA 2803


RESULT  26
PCT-US93-04648-15
; Sequence 15, Application PC/TUS9304648
;  GENERAL INFORMATION:
;    APPLICANT:  Genentech, Inc., Godowski, Paul J., Lokker, Natalie A., Mark, Melanie R
;    TITLE OF INVENTION:  HEPATOCYTE GROWTH FACTOR VARIANTS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genentech, Inc.
;      STREET:  460 Point San Bruno Blvd
;      CITY:  South San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94080
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch, 360 Kb floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  patin (Genentech)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/04648
;      FILING DATE:  19930517
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/884811
;      FILING DATE:  18-MAY-92
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/885971
;      FILING DATE:  18-MAY-92
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Dreger, Ginger R.
;      REGISTRATION NUMBER:  33,055
;      REFERENCE/DOCKET NUMBER:  755,779P1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415/225-3216
;      TELEFAX:  415/952-9881
;      TELEX:  910/371-7168
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10596 bases
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
PCT-US93-04648-15


  Query Match             1.8%;  Score 35.8;  DB 5;  Length 10596;
  Best Local Similarity   43.9%;  Pred. No. 3.3;
  Matches  154;  Conservative    0;  Mismatches  197;  Indels    0;  Gaps    0;

Qy    528 GAAGTTCCTGGAGCAGCGGCAGGATGAGACCAAACAAGCTCGGGAGGAGGCCCACCGACT 587

Db   2453 GGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGG 2512

Qy    588 CAAGTGCAAGATGAAAACCATGGAGCAAATTGAGCTCCTACTCCAGAGCCAGCGTTCTGA 647

Db   2513 GCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGA 2572

Qy    648 GGTGGAGGAGATGATTCGAGACATGGGTGTGGGACAGTCAGCGGTGGAGCAGCTGGCTGT 707

Db   2573 GCAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGAGGG 2632

Qy    708 GTACTGCGTGTCCCTCAAGAAAGAGTATGAGAATCTGAAGGAAGCTCGGAAGGCCACAGG 767

Db   2633 GCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGA 2692

Qy    768 GGAACTGGCTGACAGGTTGAAGAAGGATTTGGTGTCCTCTAGGAGCAAGTTGAAGACTCT 827

Db   2693 GGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGCA 2752

Qy    828 CAACACTGAGCTGGATCAGGCCAAGTTAGAACTGAGGTCAGCCCAGAAGGA 878

Db   2753 GGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGCA 2803


RESULT  27
US-09-150-133-2
; Sequence 2, Application US/09150133B
; Patent No. 6060295
; GENERAL INFORMATION:
;  APPLICANT: The Board of Regents of the University of Oklahoma
;  TITLE OF INVENTION: TYROSYLPROTEIN SULFOTRANSFERASES, NUCLEIC ACIDS ENCODING
;  TITLE OF INVENTION: TYROSYLPROTEIN SULFOTRANSFERAES, AND METHODS OF USE THEREOF
;  FILE REFERENCE: 5820.504
;  CURRENT APPLICATION NUMBER: US/09/150,133B
;  CURRENT FILING DATE: 1998-09-09
;  NUMBER OF SEQ ID NOS: 45
;  SOFTWARE: Wordperfect 5.1 (saved in ASCII format)
; SEQ ID NO 2
;   LENGTH: 1768
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-150-133-2


  Query Match             1.8%;  Score 35.4;  DB 3;  Length 1768;
  Best Local Similarity   56.4%;  Pred. No. 1.4;
  Matches   66;  Conservative    0;  Mismatches   51;  Indels    0;  Gaps    0;

Qy   1827 TGCAGGCTGGAGGACCCTGCGCTTGAACTCCTGCCTGCCTCCAGCTTATTGCTTGAAATT 1886

Db    819 tgaacggtggatgagaacactcttaaagttcctccagattccatggaaccactcagtatt 878

Qy   1887 ATGGGGTGAGGTGGTGATAGGGAAAGGTTGGGGAAGTTTTCTGTGTAAAATAAAAAG 1943

Db    879 gcaccatgaagagatgattgggaaagctgggggagtgtctctgtcaaaagtggagag 935


RESULT  28
US-09-150-141-2
; Sequence 2, Application US/09150141B
; Patent No. 6071732
; GENERAL INFORMATION:
;  APPLICANT: The Board of Regents of the University of Oklahoma
;  TITLE OF INVENTION: TYROSYLPROTEIN SULFOTRANSFERASES, NUCLEIC ACIDS ENCODING
;  TITLE OF INVENTION: TYROSYLPROTEIN SULFOTRANSFERAES, AND METHODS OF USE THEREOF
;  FILE REFERENCE: 5820.495
;  CURRENT APPLICATION NUMBER: US/09/150,141B
;  CURRENT FILING DATE: 1998-09-09
;  NUMBER OF SEQ ID NOS: 45
;  SOFTWARE: Wordperfect 5.1 (saved in ASCII format)
; SEQ ID NO 2
;   LENGTH: 1768
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;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-150-141-2


  Query Match             1.8%;  Score 35.4;  DB 3;  Length 1768;
  Best Local Similarity   56.4%;  Pred. No. 1.4;
  Matches   66;  Conservative    0;  Mismatches   51;  Indels    0;  Gaps    0;

Qy   1827 TGCAGGCTGGAGGACCCTGCGCTTGAACTCCTGCCTGCCTCCAGCTTATTGCTTGAAATT 1886
           || | | |||| ||     | ||| || | |  || |  ||||    |   ||    |||
Db    819 tgaacggtggatgagaacactcttaaagttcctccagattccatggaaccactcagtatt 878

Qy   1887 ATGGGGTGAGGTGGTGATAGGGAAAGGTTGGGGAAGTTTTCTGTGTAAAATAAAAAG 1943
                |||  | | |||| ||||||| | |||||   | |||||  |||  |  | ||
Db    879 gcaccatgaagagatgattgggaaagctgggggagtgtctctgtcaaaagtggagag 935


RESULT  29
US-09-374-493-2
; Sequence 2, Application US/09374493
; Patent No. 6204016
; GENERAL INFORMATION:
;  APPLICANT: The Board of Regents of the University of Oklahoma
;  TITLE OF INVENTION: TYROSYLPROETIN SULFOTRANSFERASES AND METHODS OF USE THEREOF
;  FILE REFERENCE: 5820.546
;  CURRENT APPLICATION NUMBER: US/09/374,493
;  CURRENT FILING DATE: 1999-08-13
;  EARLIER APPLICATION NUMBER: 09/150,133
;  EARLIER FILING DATE: 1998-09-09
;  EARLIER APPLICATION NUMBER: 60/072,994
;  EARLIER FILING DATE: 1998-01-29
;  EARLIER APPLICATION NUMBER: PCT/US99/16750
;  EARLIER FILING DATE: 1999-07-23
;  NUMBER OF SEQ ID NOS: 45
;  SOFTWARE: Wordperfect 8.0 (saved in ASCII format)
; SEQ ID NO 2
;   LENGTH: 1768
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-374-493-2


  Query Match             1.8%;  Score 35.4;  DB 4;  Length 1768;
  Best Local Similarity   56.4%;  Pred. No. 1.4;
  Matches   66;  Conservative    0;  Mismatches   51;  Indels    0;  Gaps    0;

Qy   1827 TGCAGGCTGGAGGACCCTGCGCTTGAACTCCTGCCTGCCTCCAGCTTATTGCTTGAAATT 1886
           || | | |||| ||     | ||| || | |  || |  ||||    |   ||    |||
Db    819 tgaacggtggatgagaacactcttaaagttcctccagattccatggaaccactcagtatt 878

Qy   1887 ATGGGGTGAGGTGGTGATAGGGAAAGGTTGGGGAAGTTTTCTGTGTAAAATAAAAAG 1943
                |||  | | |||| ||||||| | |||||   | |||||  |||  |  | ||
Db    879 gcaccatgaagagatgattgggaaagctgggggagtgtctctgtcaaaagtggagag 935


RESULT  30
US-09-374-824-2
; Sequence 2, Application US/09374824
; Patent No. 6207414
; GENERAL INFORMATION:
;  APPLICANT: The Board of Regents of the University of Oklahoma
;  TITLE OF INVENTION: TYROSYLPROETIN SULFOTRANSFERASES AND METHODS OF USE THEREOF
;  FILE REFERENCE: 5820.547
;  CURRENT APPLICATION NUMBER: US/09/374,824
;  CURRENT FILING DATE: 1999-08-13
;  EARLIER APPLICATION NUMBER: 09/150,133
;  EARLIER FILING DATE: 1998-09-09
;  EARLIER APPLICATION NUMBER: 60/072,994
;  EARLIER FILING DATE: 1998-01-29
;  EARLIER APPLICATION NUMBER: PCT/US99/16750
;  EARLIER FILING DATE: 1999-07-23
;  NUMBER OF SEQ ID NOS: 45
;  SOFTWARE: Wordperfect 8.0 (saved in ASCII format)
; SEQ ID NO 2
;   LENGTH: 1768
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-374-824-2


  Query Match             1.8%;  Score 35.4;  DB 4;  Length 1768;
  Best Local Similarity   56.4%;  Pred. No. 1.4;
  Matches   66;  Conservative    0;  Mismatches   51;  Indels    0;  Gaps    0;

Qy   1827 TGCAGGCTGGAGGACCCTGCGCTTGAACTCCTGCCTGCCTCCAGCTTATTGCTTGAAATT 1886
           || | | |||| ||     | ||| || | |  || |  ||||    |   ||    |||
Db    819 tgaacggtggatgagaacactcttaaagttcctccagattccatggaaccactcagtatt 878

Qy   1887 ATGGGGTGAGGTGGTGATAGGGAAAGGTTGGGGAAGTTTTCTGTGTAAAATAAAAAG 1943
                |||  | | |||| ||||||| | |||||   | |||||  |||  |  | ||
Db    879 gcaccatgaagagatgattgggaaagctgggggagtgtctctgtcaaaagtggagag 935


RESULT  31
US-09-374-492-2
; Sequence 2, Application US/09374492
; Patent No. 6207432
; GENERAL INFORMATION:
;  APPLICANT: The Board of Regents of the University of Oklahoma
;  TITLE OF INVENTION: TYROSYLPROETIN SULFOTRANSFERASES AND METHODS OF USE THEREOF
;  FILE REFERENCE: 5820.545
;  CURRENT APPLICATION NUMBER: US/09/374,492
;  CURRENT FILING DATE: 1999-08-13
;  EARLIER APPLICATION NUMBER: 09/150,141
;  EARLIER FILING DATE: 1998-09-09
;  EARLIER APPLICATION NUMBER: 60/072,994
;  EARLIER FILING DATE: 1998-01-29
;  EARLIER APPLICATION NUMBER: PCT/US99/16750
;  EARLIER FILING DATE: 1999-07-23
;  NUMBER OF SEQ ID NOS: 45
;  SOFTWARE: Wordperfect 8.0 (saved in ASCII format)
; SEQ ID NO 2
;   LENGTH: 1768
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-374-492-2


  Query Match             1.8%;  Score 35.4;  DB 4;  Length 1768;
  Best Local Similarity   56.4%;  Pred. No. 1.4;
  Matches   66;  Conservative    0;  Mismatches   51;  Indels    0;  Gaps    0;

Qy   1827 TGCAGGCTGGAGGACCCTGCGCTTGAACTCCTGCCTGCCTCCAGCTTATTGCTTGAAATT 1886
           || | | |||| ||     | ||| || | |  || |  ||||    |   ||    |||
Db    819 tgaacggtggatgagaacactcttaaagttcctccagattccatggaaccactcagtatt 878

Qy   1887 ATGGGGTGAGGTGGTGATAGGGAAAGGTTGGGGAAGTTTTCTGTGTAAAATAAAAAG 1943
                |||  | | |||| ||||||| | |||||   | |||||  |||  |  | ||
Db    879 gcaccatgaagagatgattgggaaagctgggggagtgtctctgtcaaaagtggagag 935


RESULT  32
US-07-794-393-3/c
; Sequence 3, Application US/07794393
; Patent No. 5236844
;  GENERAL INFORMATION:
;    APPLICANT:  CHAMBON, PIERRE
;    APPLICANT:  BASSET, PAUL
;    APPLICANT:  BELLOCQ, JEAN-PIERRE
;    TITLE OF INVENTION:  ANALYTICAL MARKERS FOR MALIGNANT BREAST
;    TITLE OF INVENTION:  CANCER
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sterne, Kessler, Goldstein & Fox
;      STREET:  1225 Connecticut Ave. NW Suite 300
```

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;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/794,393
;      FILING DATE:  19911121
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9025326.1
;      FILING DATE:  21-NOV-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GOLDSTEIN, JORGE A
;      REGISTRATION NUMBER:  29,021
;      REFERENCE/DOCKET NUMBER:  1383.0040000
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 466-0800
;      TELEFAX:  (202) 833-8716
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2260 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  both
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  11..1486
US-07-794-393-3


  Query Match             1.8%;  Score 35.4;  DB 1;  Length 2260;
  Best Local Similarity   49.7%;  Pred. No. 1.7;
  Matches   90;  Conservative    0;  Mismatches   91;  Indels    0;  Gaps    0;

Qy     366 CGTCAAAGCTCAGCTTTCCCAGAAAGACAGGGAGAAACGGGACAGCCAGGCCATTATCGA 425
           | |  | || ||||||    ||     |||||   |           |   |||| ||  |
Db    1172 CTTGCAGGCCCAGCTTGGAGAGTGGTGCAGGGCCTAGGACTGGCTTCTCACCATCATATA 1113

Qy     426 CACTCTACGGGACACCCTGGAAGAACGCAATGCTACCGTGGAGTCCCTACAGAACGCCTT 485
           | |  ||| |  |||| |||||||||  |||    || |||    |||  | | |  | |
Db    1112 CCCAGTACTGAGCACCTTGGAAGAACCAAATCTGGCCCTGGGCATCCTCAAAAGCTGCAT 1053

Qy     486 AAACAAGGCAGAGATGCTGTGTTCCACCCTGAAAAAACAGATGAAGTTCCTGGAGCAGCG 545
           ||| ||| | |  |   |   |    | || |   || |  | | | |  | || ||
Db    1052 CCACAGGGCTGGGCAGTCCTTGCCAGTGCCGAGAGGCCAAAGCAGGATACCCGGGCTGCA 993

Qy     546 G 546
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Db     992 G 992


RESULT  33
US-08-001-711-3/c
; Sequence 3, Application US/08001711
; Patent No. 5484726
;  GENERAL INFORMATION:
;    APPLICANT:  BASSET, PAUL
;    APPLICANT:  BELLOCQ, JEAN-PIERRE
;    APPLICANT:  CHAMBON, PIERRE
;    TITLE OF INVENTION:  ANALYTICAL MARKERS FOR MALIGNANT BREAST
;    TITLE OF INVENTION:  CANCER
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sterne, Kessler, Goldstein & Fox
;      STREET:  1225 Connecticut Suite 300
;      CITY:  Washington
;      STATE:  D.C.
;      ZIP:  20036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/001,711
;      FILING DATE:  19930107
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/794,393
;      FILING DATE:  11-NOV-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9025626.1
;      FILING DATE:  21-NOV-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  MILLMAN, ROBERT A
;      REGISTRATION NUMBER:  36,217
;      REFERENCE/DOCKET NUMBER:  1383.0040001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)466-0800
;      TELEFAX:  (202)833-8716
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2260 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  both
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  11..1486
US-08-001-711-3


  Query Match             1.8%;  Score 35.4;  DB 1;  Length 2260;
  Best Local Similarity   49.7%;  Pred. No. 1.7;
  Matches   90;  Conservative    0;  Mismatches   91;  Indels    0;  Gaps    0;

Qy     366 CGTCAAAGCTCAGCTTTCCCAGAAAGACAGGGAGAAACGGGACAGCCAGGCCATTATCGA 425
           | |  | || ||||||    ||     |||||   |           |   |||| ||  |
Db    1172 CTTGCAGGCCCAGCTTGGAGAGTGGTGCAGGGCCTAGGACTGGCTTCTCACCATCATATA 1113

Qy     426 CACTCTACGGGACACCCTGGAAGAACGCAATGCTACCGTGGAGTCCCTACAGAACGCCTT 485
           | |  ||| |  |||| |||||||||  |||    || |||    |||  | | |  | |
Db    1112 CCCAGTACTGAGCACCTTGGAAGAACCAAATCTGGCCCTGGGCATCCTCAAAAGCTGCAT 1053

Qy     486 AAACAAGGCAGAGATGCTGTGTTCCACCCTGAAAAAACAGATGAAGTTCCTGGAGCAGCG 545
           ||| ||| | |  |   |   |    | || |   || |  | | | |  | || ||
Db    1052 CCACAGGGCTGGGCAGTCCTTGCCAGTGCCGAGAGGCCAAAGCAGGATACCCGGGCTGCA 993

Qy     546 G 546
           |
Db     992 G 992


RESULT  34
US-08-077-848A-1
; Sequence 1, Application US/08077848A
; Patent No. 5470955
;  GENERAL INFORMATION:
;    APPLICANT:  Craig, Ruth W.
;    TITLE OF INVENTION:  ANTIBODIES WHICH SPECIFICALLY BIND mcl-1
;    TITLE OF INVENTION:  POLYPEPTIDE
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Spensley Horn Jubas & Lubitz
;      STREET:  1880 Century Park East, Suite 500
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90067
```

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;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/077,848A
;      FILING DATE:  16-JUN-1993
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Haile, Ph.D., Lisa A.
;      REGISTRATION NUMBER:  38,347
;      REFERENCE/DOCKET NUMBER:  PD-2845
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 455-5100
;      TELEFAX:  (619) 455-5110
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  3946 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    IMMEDIATE SOURCE:
;      CLONE:  mcl-1
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  61..1110
;      OTHER INFORMATION:  /note= "When nucleotide 740 = C,
;      OTHER INFORMATION:  amino acid 227 = A; when nucleotide 740 = T, amino
;      OTHER INFORMATION:  acid 227 = V."
US-08-077-848A-1


  Query Match             1.8%;  Score 35.4;  DB 1;  Length 3946;
  Best Local Similarity   79.2%;  Pred. No. 2.4;
  Matches   42;  Conservative    0;  Mismatches   11;  Indels    0;  Gaps    0;

Qy   1922 GTTTTCTGTGTAAAATAAAAAGGGATCTTTTCTTCAAAAAAAAAAAAAAAAAA 1974
          |||||   ||  ||| |||||   ||||||| |||||| ||||||||||||||
Db   3894 GTTTTTCCTGAGAAAAAAAAATAAATCTTTTATTCAAATAAAAAAAAAAAAAA 3946


RESULT  35
US-09-211-640-1
; Sequence 1, Application US/09211640
; Patent No. 6020466
;  GENERAL INFORMATION:
;    APPLICANT:  Craig, Ruth W.
;    TITLE OF INVENTION:  ANTIBODIES WHICH SPECIFICALLY BIND mcl-1
;    TITLE OF INVENTION:  POLYPEPTIDE
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Spensley Horn Jubas & Lubitz
;      STREET:  1880 Century Park East, Suite 500
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90067
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/211,640
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/441,375
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Haile, Ph.D., Lisa A.
;      REGISTRATION NUMBER:  38,347
;      REFERENCE/DOCKET NUMBER:  PD-2845
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 455-5100
;      TELEFAX:  (619) 455-5110
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  3946 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    IMMEDIATE SOURCE:
;      CLONE:  mcl-1
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  61..1110
;      OTHER INFORMATION:  /note= "When nucleotide 740 = C,
;      OTHER INFORMATION:  amino acid 227 = A; when nucleotide 740 = T, amino
;      OTHER INFORMATION:  acid 227 = V."
US-09-211-640-1


  Query Match             1.8%;  Score 35.4;  DB 3;  Length 3946;
  Best Local Similarity   79.2%;  Pred. No. 2.4;
  Matches   42;  Conservative    0;  Mismatches   11;  Indels    0;  Gaps    0;

Qy   1922 GTTTTCTGTGTAAAATAAAAAGGGATCTTTTCTTCAAAAAAAAAAAAAAAAAA 1974
          |||||   ||  ||| |||||   ||||||| |||||| ||||||||||||||
Db   3894 GTTTTTCCTGAGAAAAAAAAATAAATCTTTTATTCAAATAAAAAAAAAAAAAA 3946


RESULT  36
US-09-378-536-1
; Sequence 1, Application US/09378536
; Patent No. 6200763
;  GENERAL INFORMATION:
;    APPLICANT:  Craig, Ruth W.
;    TITLE OF INVENTION:  ANTIBODIES WHICH SPECIFICALLY BIND mcl-1
;    TITLE OF INVENTION:  POLYPEPTIDE
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Spensley Horn Jubas & Lubitz
;      STREET:  1880 Century Park East, Suite 500
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90067
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/378,536
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/077,848
;      FILING DATE:  16-JUN-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Haile, Ph.D., Lisa A.
;      REGISTRATION NUMBER:  38,347
;      REFERENCE/DOCKET NUMBER:  PD-2845
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 455-5100
;      TELEFAX:  (619) 455-5110
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  3946 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
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;    MOLECULE TYPE:  DNA (genomic)
;    IMMEDIATE SOURCE:
;      CLONE:  mcl-1
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  61..1110
;      OTHER INFORMATION:  /note= "When nucleotide 740 = C,
;      OTHER INFORMATION:  amino acid 227 = A; when nucleotide 740 = T, amino
;      OTHER INFORMATION:  acid 227 = V."
US-09-378-536-1


  Query Match             1.8%;  Score 35.4;  DB 4;  Length 3946;
  Best Local Similarity   79.2%;  Pred. No. 2.4;
  Matches   42;  Conservative    0;  Mismatches   11;  Indels    0;  Gaps    0;

Qy   1922 GTTTTCTGTGTAAAATAAAAAGGGATCTTTTCTTCAAAAAAAAAAAAAAAAAA 1974
          |||||   ||  ||| |||||   ||||||| |||||| ||||||||||||||
Db   3894 GTTTTTCCTGAGAAAAAAAAATAAATCTTTTATTCAAATAAAAAAAAAAAAAA 3946


RESULT  37
PCT-US94-03547-1
; Sequence 1, Application PC/TUS9403547
;  GENERAL INFORMATION:
;    APPLICANT:  The Johns Hopkins University School of Medicine
;    TITLE OF INVENTION:  MYELOID CELL LEUKEMIA ASSOCIATED GENE
;    TITLE OF INVENTION:  MCL-1
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Spensley Horn Jubas & Lubitz
;      STREET:  1880 Century Park East, Suite 500
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90067
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/03547
;      FILING DATE:  31-MAR-1994
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Wetherell, Jr., Ph.D., John W.
;      REGISTRATION NUMBER:  31,678
;      REFERENCE/DOCKET NUMBER:  FD-2845
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 455-5100
;      TELEFAX:  (619) 455-5110
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  3946 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    IMMEDIATE SOURCE:
;      CLONE:  mcl-1
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  61..1110
;      OTHER INFORMATION:  /note= "When nucleotide 740 = C,
;      OTHER INFORMATION:  amino acid 227 = A; when nucleotide 740 = T, amino
;      OTHER INFORMATION:  acid 227 = V."
PCT-US94-03547-1


  Query Match             1.8%;  Score 35.4;  DB 5;  Length 3946;
  Best Local Similarity   79.2%;  Pred. No. 2.4;
  Matches   42;  Conservative    0;  Mismatches   11;  Indels    0;  Gaps    0;

Qy   1922 GTTTTCTGTGTAAAATAAAAAGGGATCTTTTCTTCAAAAAAAAAAAAAAAAAA 1974
          |||||   ||  ||| |||||   ||||||| |||||| ||||||||||||||
Db   3894 GTTTTTCCTGAGAAAAAAAAATAAATCTTTTATTCAAATAAAAAAAAAAAAAA 3946


RESULT  38
US-09-020-956-153/c
; Sequence 153, Application US/09020956
; Patent No. 6261562
;  GENERAL INFORMATION:
;    APPLICANT:  Xu, Jiangchun
;    APPLICANT:  Dillin, Davin C.
;    TITLE OF INVENTION:  COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS
;    NUMBER OF SEQUENCES:  178
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SEED and BERRY LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  WA
;      COUNTRY:  USA
;      ZIP:  98104
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/020,956
;      FILING DATE:  09-FEB-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Maki, David J.
;      REGISTRATION NUMBER:  31,392
;      REFERENCE/DOCKET NUMBER:  210121.427C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  153:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  285 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
US-09-020-956-153


  Query Match             1.8%;  Score 35.2;  DB 4;  Length 285;
  Best Local Similarity   54.7%;  Pred. No. 0.53;
  Matches   70;  Conservative    0;  Mismatches   58;  Indels    0;  Gaps    0;

Qy    533 TCCTGGAGCAGCGGCAGGATGAGACCAAACAAGCTCGGGAGGAGGCCCACCGACTCAAGT 592
          ||| ||||| ||| |         || |  || | |   || ||   || || |  ||||
Db    213 TCCAGGAGCGGCGCCGCACCCTCACTAGCCAGGGTGTTGATGACTTCCTCCAAGCCAAGG 154

Qy    593 GCAAGATGAAAACCATGGAGCAAATTGAGCTCCTACTCCAGAGCCAGCGTTCTGAGGTGG 652
           ||||   || ||  ||||    |||||  | || || | |||| ||  |    | |
Db    153 CCAAGTCCAAGACTTTGGACTTTATTGATGTGCTCCTGCTGAGCGAGGATAAAAATGGTA 94

Qy    653 AGGAGATG 660
          | ||| ||
Db     93 AAGAGTTG 86


RESULT  39
US-09-030-607-153/c
; Sequence 153, Application US/09030607
; Patent No. 6262245
;  GENERAL INFORMATION:
;    APPLICANT:  Xu, Jiangchun
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;    APPLICANT:  Dillon, Davin C.
;    TITLE OF INVENTION:  COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO
;    NUMBER OF SEQUENCES:  224
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SEED and BERRY LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  WA
;      COUNTRY:  USA
;      ZIP:  98104
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/030,607
;      FILING DATE:  25-FEB-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Maki, David J.
;      REGISTRATION NUMBER:  31,392
;      REFERENCE/DOCKET NUMBER:  210121.427C3
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  153:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  285 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
US-09-030-607-153


  Query Match             1.8%;  Score 35.2;  DB 4;  Length 285;
  Best Local Similarity   54.7%;  Pred. No. 0.53;
  Matches   70;  Conservative    0;  Mismatches   58;  Indels    0;  Gaps    0;

Qy    533 TCCTGGAGCAGCGGCAGGATGAGACCAAACAAGCTCGGGAGGAGGCCCACCGACTCAAGT 592
          ||| ||||| ||| |         || |  || | |   || ||   || || |  ||||
Db    213 TCCAGGAGCGGCGCCGCACCCTCACTAGCCAGGGTGTTGATGACTTCCTCCAAGCCAAGG 154

Qy    593 GCAAGATGAAAACCATGGAGCAAATTGAGCTCCTACTCCAGAGCCAGCGTTCTGAGGTGG 652
           ||||   || ||  ||||    |||||  | || || | |||| ||  |    | |
Db    153 CCAAGTCCAAGACTTTGGACTTTATTGATGTGCTCCTGCTGAGCGAGGATAAAAATGGTA 94

Qy    653 AGGAGATG 660
          | ||| ||
Db     93 AAGAGTTG 86


RESULT  40
US-09-439-313-153/c
; Sequence 153, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
;  APPLICANT: Xu, Jiangchun
;  APPLICANT:  Dillon, Davin C.
;  APPLICANT:  Mitcham, Jennifer L.
;  APPLICANT:  Harlocker, Susan Louise
;  APPLICANT:  Jiang Yuqui
;  APPLICANT:  Reed, Steven G.
;  APPLICANT:  Kalos, Michael
;  APPLICANT:  Fanger, Gary
;  APPLICANT:  Retter, Mark
;  APPLICANT:  Solk, John
;  APPLICANT:  Day, Craig
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
;  TITLE OF INVENTION:  DIAGNOSIS OF PROSTATE CANCER
;  FILE REFERENCE: 210121.427C9
;  CURRENT APPLICATION NUMBER: US/09/439,313
;  CURRENT FILING DATE:  1999-11-12
;  NUMBER OF SEQ ID NOS: 575
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 153
;   LENGTH: 285
;   TYPE: DNA
;   ORGANISM: Homo sapien
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)...(285)
;   OTHER INFORMATION: n = A,T,C or G
US-09-439-313-153


  Query Match             1.8%;  Score 35.2;  DB 4;  Length 285;
  Best Local Similarity   54.7%;  Pred. No. 0.53;
  Matches   70;  Conservative    0;  Mismatches   58;  Indels    0;  Gaps    0;

Qy    533 TCCTGGAGCAGCGGCAGGATGAGACCAAACAAGCTCGGGAGGAGGCCCACCGACTCAAGT 592
          ||| ||||| ||| |         || |  || | |   || ||   || || |  ||||
Db    213 TCCAGGAGCGGCGCCGCACCCTCACTAGCCAGGGTGTTGATGACTTCCTCCAAGCCAAGG 154

Qy    593 GCAAGATGAAAACCATGGAGCAAATTGAGCTCCTACTCCAGAGCCAGCGTTCTGAGGTGG 652
           ||||   || ||  ||||    |||||  | || || | |||| ||  |    | |
Db    153 CCAAGTCCAAGACTTTGGACTTTATTGATGTGCTCCTGCTGAGCGAGGATAAAAATGGTA 94

Qy    653 AGGAGATG 660
          | ||| ||
Db     93 AAGAGTTG 86


Search completed: September  4, 2002, 13:53:31
Job time: 12865 sec
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